



2020 LANSCE User Survey

Final – April 15, 2021

LA-UR-21-30121

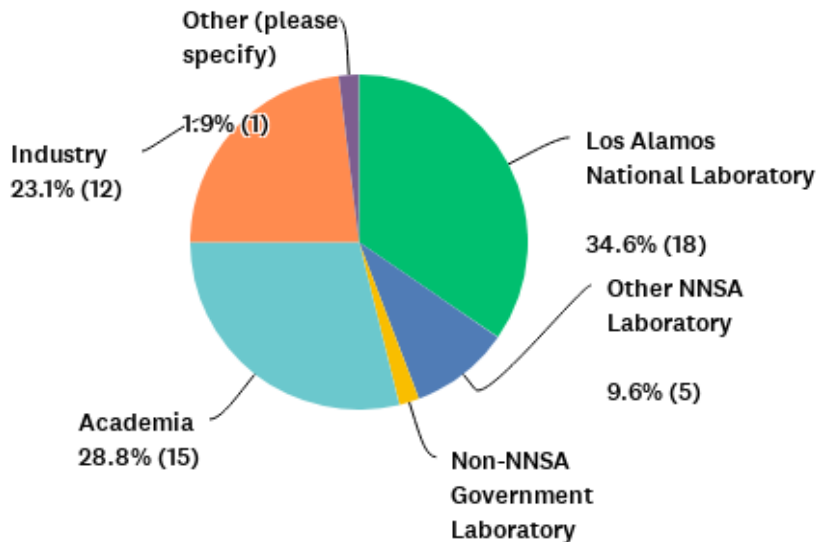


WNR, Lujan Center & pRad Users of Scheduled 2020 Proposals

Survey Invitations (users listed on proposal)	406 (WNR: 275, Lujan: 79, pRad: 52)
Total Responses	52
Response Rate	12.8% (28.4% for registered users)
Responses with follow up request	7
Onsite Users	112
Remote Users	71

Q1: What is your home institution?

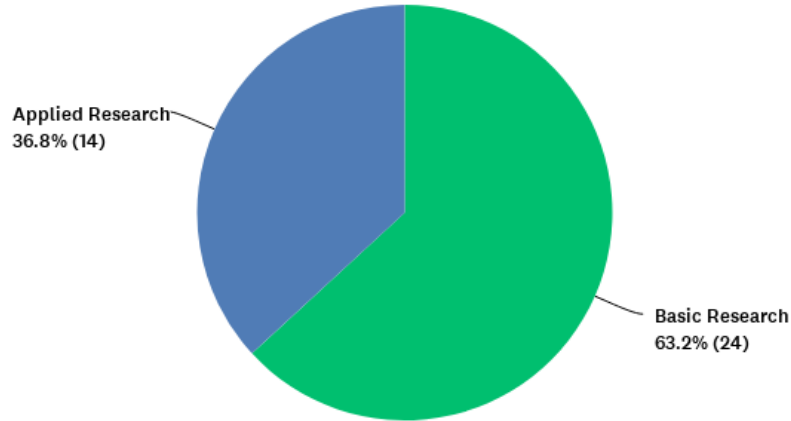
Answered: 52 Skipped: 0



ANSWER CHOICES	RESPONSES	
Los Alamos National Laboratory	34.6%	18
Other NNSA Laboratory	9.6%	5
Non-NNSA Government Laboratory	1.9%	1
Academia	28.8%	15
Industry	23.1%	12
Other (please specify)	1.9%	1
TOTAL		52

Q2: What was the primary purpose of your experiment?

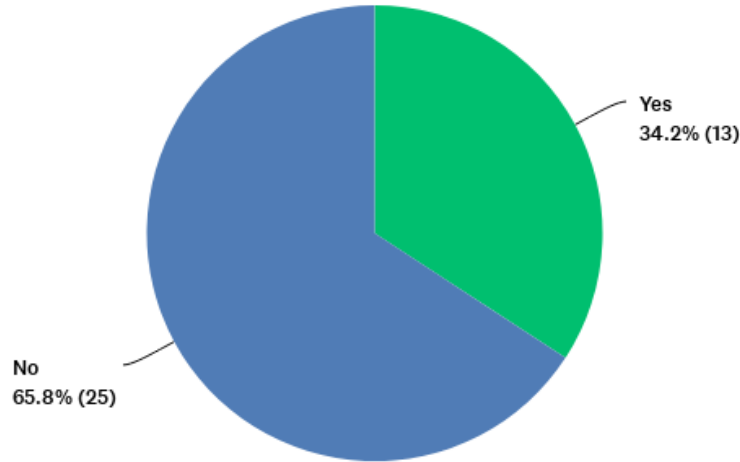
Answered: 38 Skipped: 14



ANSWER CHOICES	RESPONSES	
Basic Research	63.2%	24
Applied Research	36.8%	14
TOTAL		38

Q3: Was your experiment related to a Programmatic Milestone?

Answered: 38 Skipped: 14

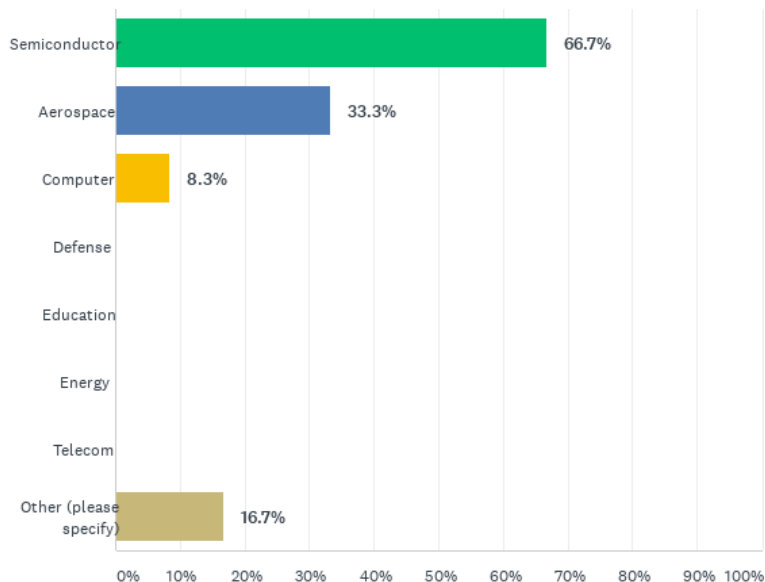


ANSWER CHOICES	RESPONSES	
Yes	34.2%	13
No	65.8%	25
TOTAL		38

Q4 – Q7 applicable if selected “Industrial” in Q2

Q4: What type of industry? (please select one or several of the options)

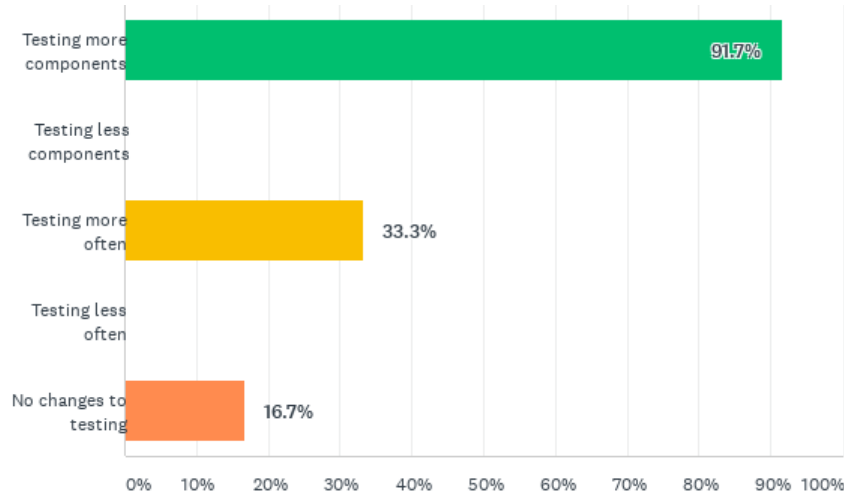
Answered: 12 Skipped: 40



ANSWER CHOICES	RESPONSES	
Semiconductor	66.7%	8
Aerospace	33.3%	4
Computer	8.3%	1
Defense	0.0%	0
Education	0.0%	0
Energy	0.0%	0
Telecom	0.0%	0
Other (please specify)	16.7%	2
Total Respondents: 12		

Q6: What are your future intentions to use LANSCE? (check all answers that apply)

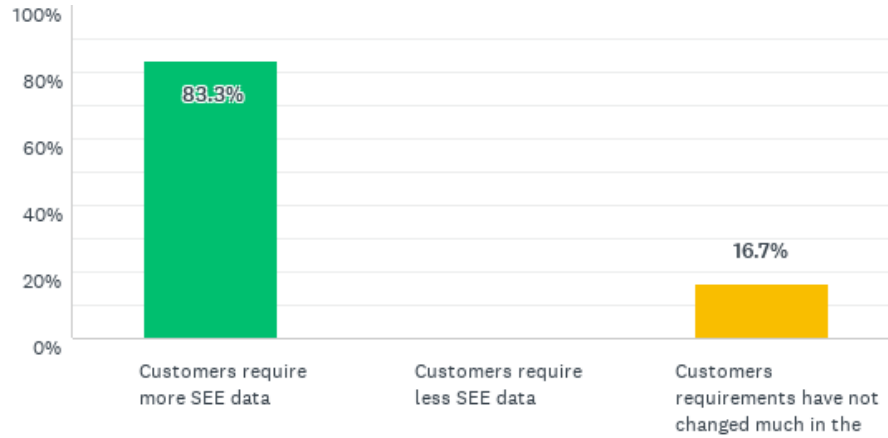
Answered: 12 Skipped: 40



ANSWER CHOICES	RESPONSES	
Testing more components	91.7%	11
Testing less components	0.0%	0
Testing more often	33.3%	4
Testing less often	0.0%	0
No changes to testing	16.7%	2
Total Respondents: 12		

Q7: What trends do you see?

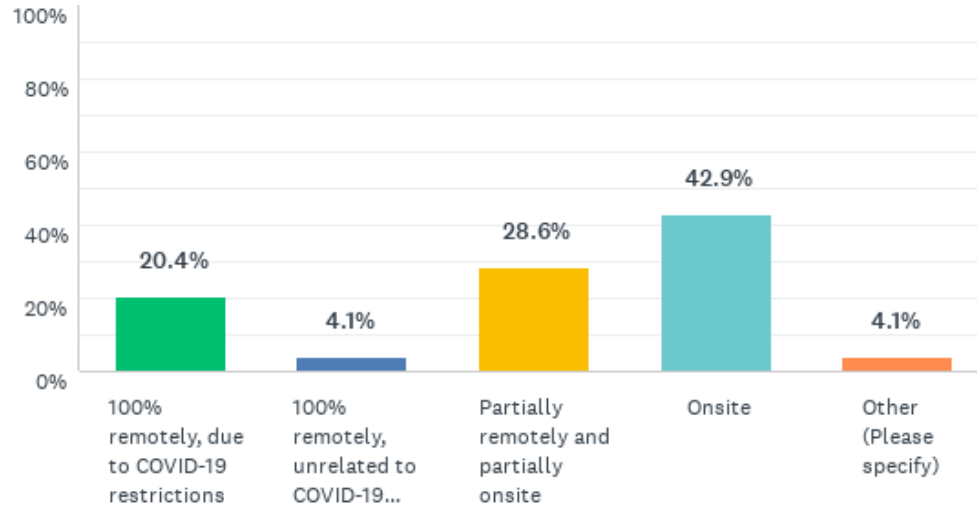
Answered: 12 Skipped: 40



ANSWER CHOICES	RESPONSES
Customers require more SEE data	83.3% 10
Customers require less SEE data	0.0% 0
Customers requirements have not changed much in the last few years	16.7% 2
Total Respondents: 12	

Q8: How did you execute your experiment (remotely/offsite, onsite, etc.)?

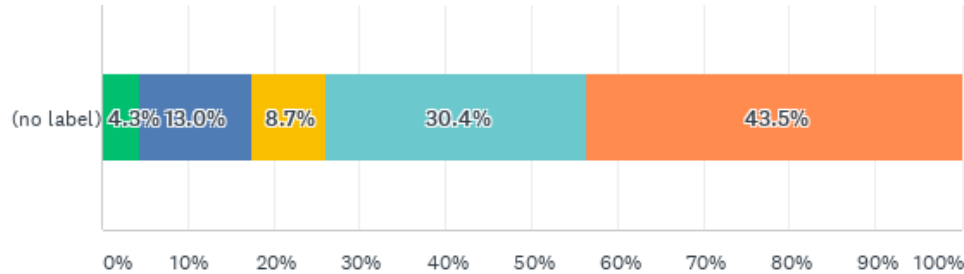
Answered: 49 Skipped: 3



ANSWER CHOICES	RESPONSES
100% remotely, due to COVID-19 restrictions	20.4% 10
100% remotely, unrelated to COVID-19 restrictions	4.1% 2
Partially remotely and partially onsite	28.6% 14
Onsite	42.9% 21
Other (Please specify)	4.1% 2
TOTAL	49

Q9: If you conducted your experiment REMOTELY ...How satisfied were you with the process?

Answered: 33 Skipped: 19

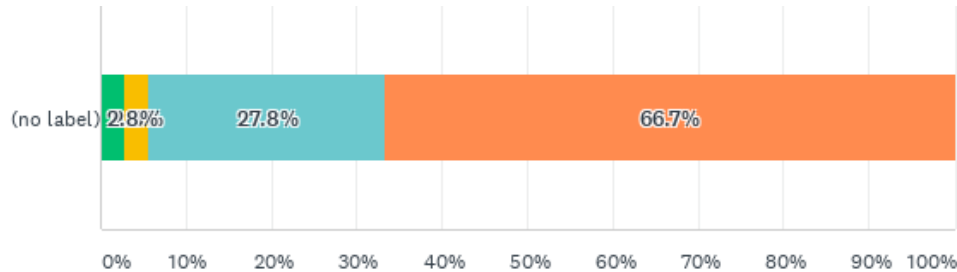


■ Very Dissatisfied
 ■ Dissatisfied
 ■ Neither Satisfied nor Dissatisfied
■ Satisfied
 ■ Very Satisfied

	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	4.3%	13.0%	8.7%	30.4%	43.5%	23	3.96
	1	3	2	7	10		

Q10: If you conducted your experiment ONSITE ...How satisfied were you with the COVID-19 mitigation measures and guidelines for onsite visits?

Answered: 44 Skipped: 8



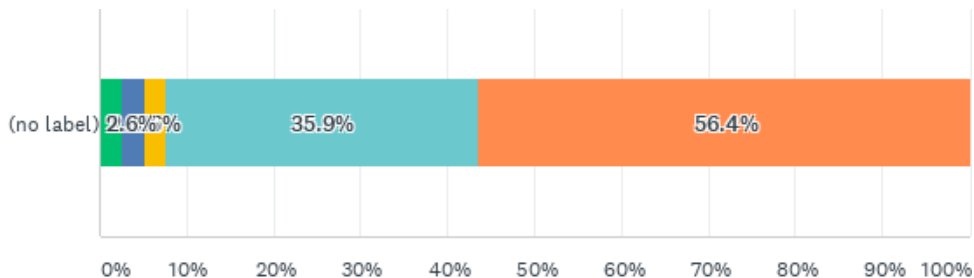
■ Very Dissatisfied
 ■ Dissatisfied
 ■ Neither Satisfied nor Dissatisfied
■ Satisfied
 ■ Very Satisfied

	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.8% 1	0.0% 0	2.8% 1	27.8% 10	66.7% 24	36	4.56

BASIC STATISTICS					
Minimum	Maximum	Median	Mean	Standard Deviation	
1.00	5.00	5.00	4.56	0.80	

Q12: How satisfied were you with the proposal input process?

Answered: 46 Skipped: 6



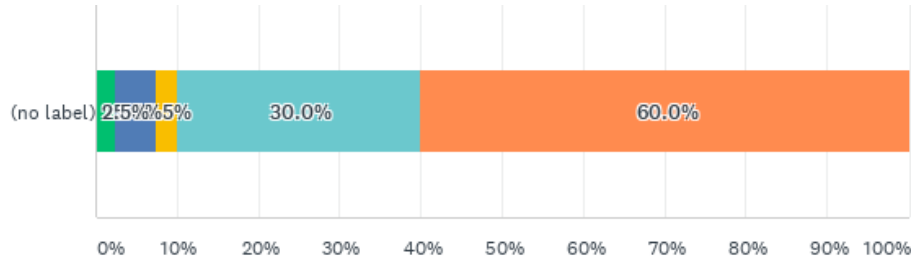
■ Very Dissatisfied
 ■ Dissatisfied
 ■ Neither Satisfied nor Dissatisfied
■ Satisfied
 ■ Very Satisfied

	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.6%	2.6%	2.6%	35.9%	56.4%	39	4.41
	1	1	1	14	22		

BASIC STATISTICS					
Minimum	Maximum	Median	Mean	Standard Deviation	
1.00	5.00	5.00	4.41	0.87	

Q13: How satisfied were you with the proposal review process?

Answered: 46 Skipped: 6



■ Very Dissatisfied
 ■ Dissatisfied
 ■ Neither Satisfied nor Dissatisfied
■ Satisfied
 ■ Very Satisfied

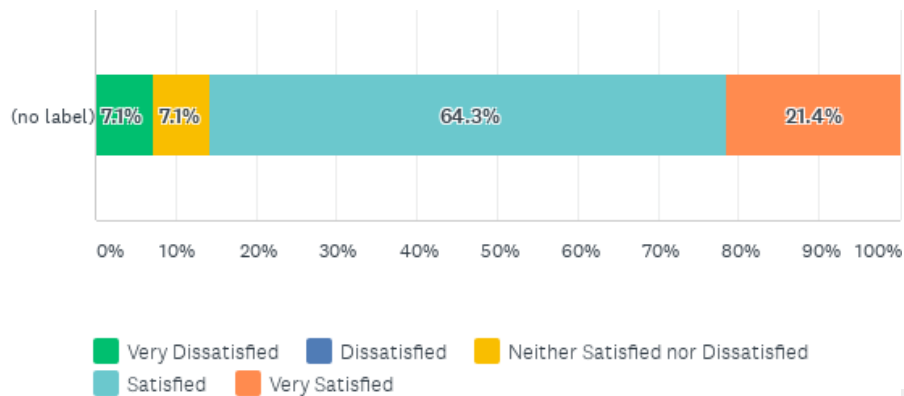
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.5% 1	5.0% 2	2.5% 1	30.0% 12	60.0% 24	40	4.40

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	5.00	4.40	0.94

Q14: How useful did you find the presentation portion of the PAC review (if applicable)?

Answered: 43 Skipped: 9



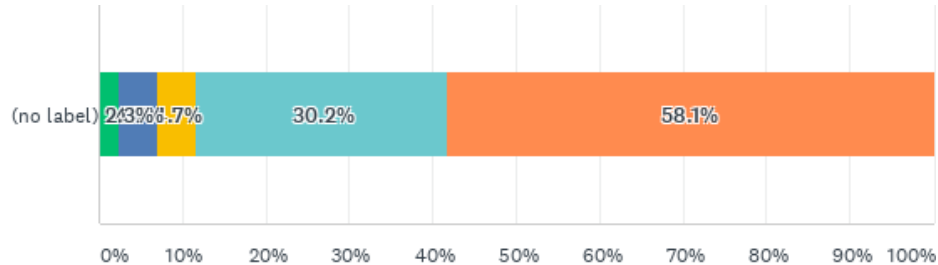
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	7.1% 1	0.0% 0	7.1% 1	64.3% 9	21.4% 3	14	3.93

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	4.00	3.93	0.96

Q15: How satisfied were you with the scheduling of your experiment?

Answered: 45 Skipped: 7



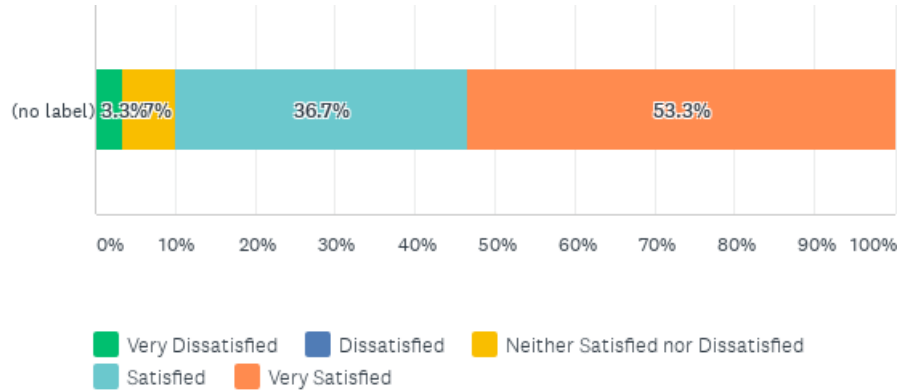
■ Very Dissatisfied
 ■ Dissatisfied
 ■ Neither Satisfied nor Dissatisfied
■ Satisfied
 ■ Very Satisfied

	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.3% 1	4.7% 2	4.7% 2	30.2% 13	58.1% 25	43	4.37

BASIC STATISTICS					
Minimum	Maximum	Median	Mean	Standard Deviation	
1.00	5.00	5.00	4.37	0.94	

Q16: How satisfied were you with the user on-boarding process? (The process of getting site access to LANSCE/Los Alamos National Lab)

Answered: 46 Skipped: 6



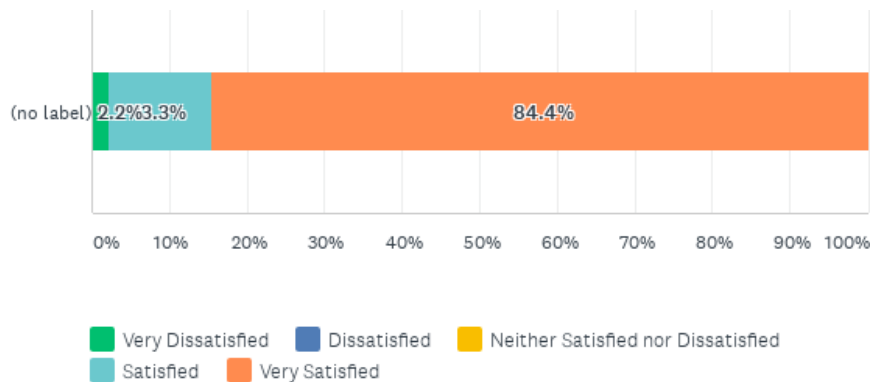
	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	3.3% 1	0.0% 0	6.7% 2	36.7% 11	53.3% 16	30	4.37

BASIC STATISTICS

Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	5.00	4.37	0.87

Q17: How satisfied were you with the support provided by LANSCE staff?

Answered: 46 Skipped: 6

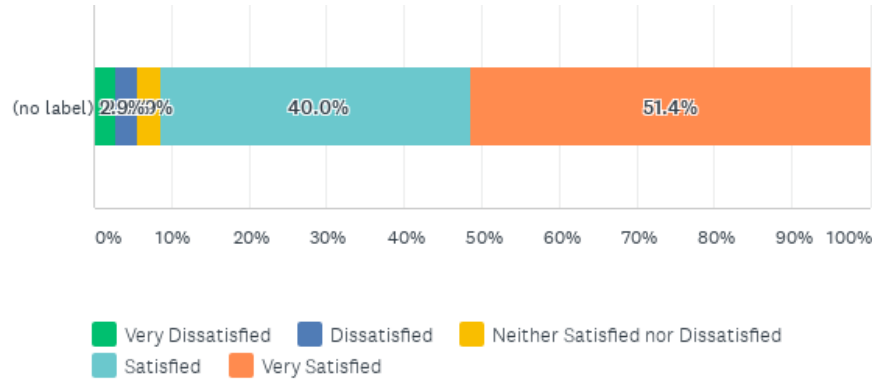


	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.2%	0.0%	0.0%	13.3%	84.4%	45	4.78
	1	0	0	6	38		

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	5.00	4.78	0.66

Q18: How satisfied were you with the diagnostics capabilities available?

Answered: 42 Skipped: 10

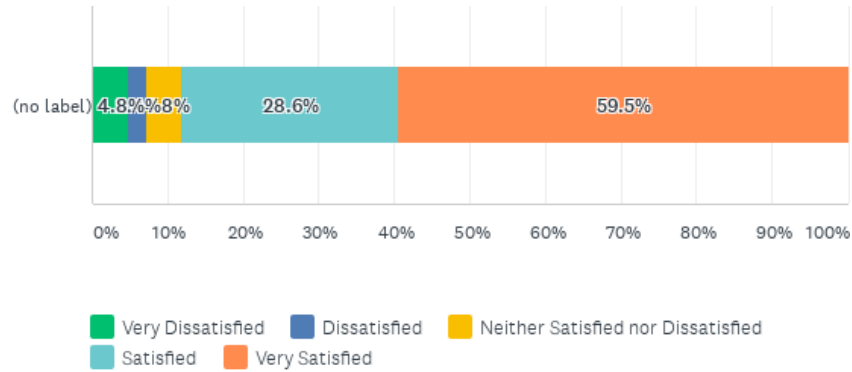


	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.9% 1	2.9% 1	2.9% 1	40.0% 14	51.4% 18	35	4.34

BASIC STATISTICS					
Minimum	Maximum	Median	Mean	Standard Deviation	
1.00	5.00	5.00	4.34	0.89	

Q20: How satisfied were you with the beam performance and the communication of its expected performance?

Answered: 45 Skipped: 7

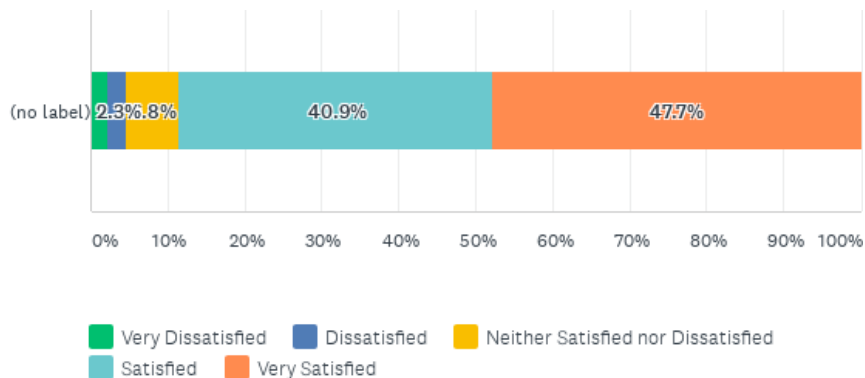


	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	4.8%	2.4%	4.8%	28.6%	59.5%	42	4.36
	2	1	2	12	25		

BASIC STATISTICS					
Minimum	Maximum	Median	Mean	Standard Deviation	
1.00	5.00	5.00	4.36	1.02	

Q21: How satisfied were you with the beam line availability at LANSCE?

Answered: 46 Skipped: 6

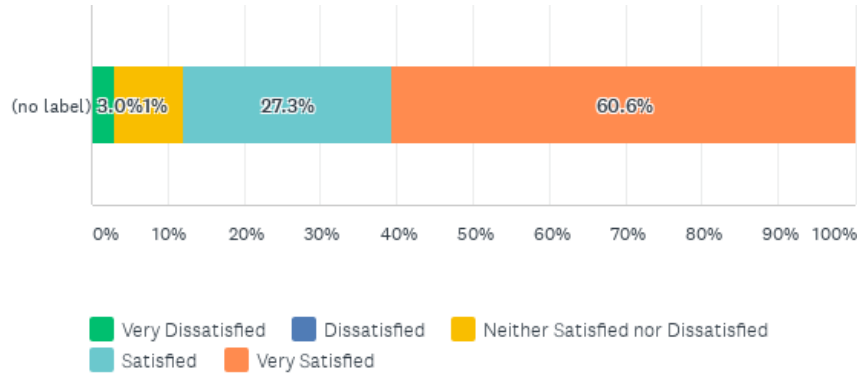


	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.3% 1	2.3% 1	6.8% 3	40.9% 18	47.7% 21	44	4.30

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	4.00	4.30	0.87

Q22: How satisfied were you with the data analysis and transfer of data to you?

Answered: 45 Skipped: 7

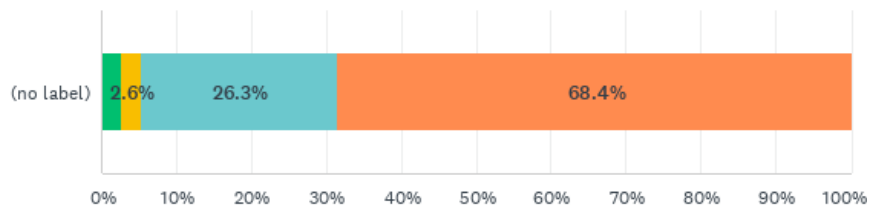


	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	3.0% 1	0.0% 0	9.1% 3	27.3% 9	60.6% 20	33	4.42

BASIC STATISTICS					
Minimum	Maximum	Median	Mean	Standard Deviation	
1.00	5.00	5.00	4.42	0.89	

Q24: How satisfied were you with safety at LANSCE?

Answered: 44 Skipped: 8

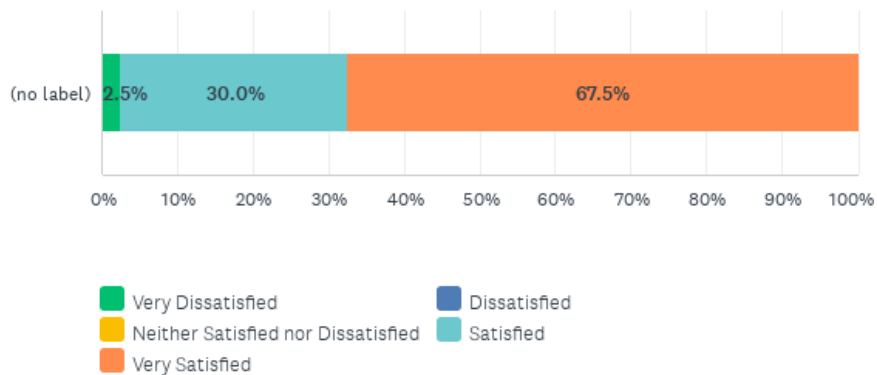


	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.6%	0.0%	2.6%	26.3%	68.4%	38	4.58
	1	0	1	10	26		

BASIC STATISTICS					
Minimum	Maximum	Median	Mean	Standard Deviation	
1.00	5.00	5.00	4.58	0.78	

Q25: How satisfied were you with the conduct of operations?

Answered: 45 Skipped: 7

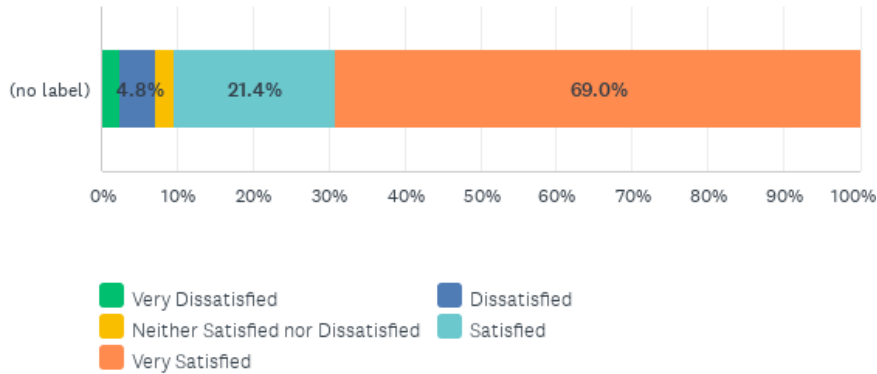


	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.5%	0.0%	0.0%	30.0%	67.5%	40	4.60
	1	0	0	12	27		

BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	5.00	5.00	4.60	0.73

Q26: How satisfied were you with your overall experience at LANSCE?

Answered: 46 Skipped: 6

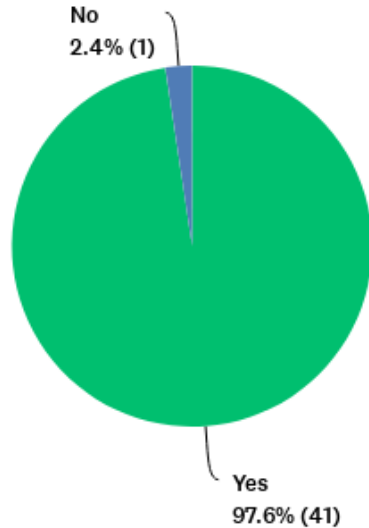


	VERY DISSATISFIED	DISSATISFIED	NEITHER SATISFIED NOR DISSATISFIED	SATISFIED	VERY SATISFIED	TOTAL	WEIGHTED AVERAGE
(no label)	2.4%	4.8%	2.4%	21.4%	69.0%	42	4.50
	1	2	1	9	29		

BASIC STATISTICS					
Minimum	Maximum	Median	Mean	Standard Deviation	
1.00	5.00	5.00	4.50	0.93	

Q27: Are the training requirements appropriate?

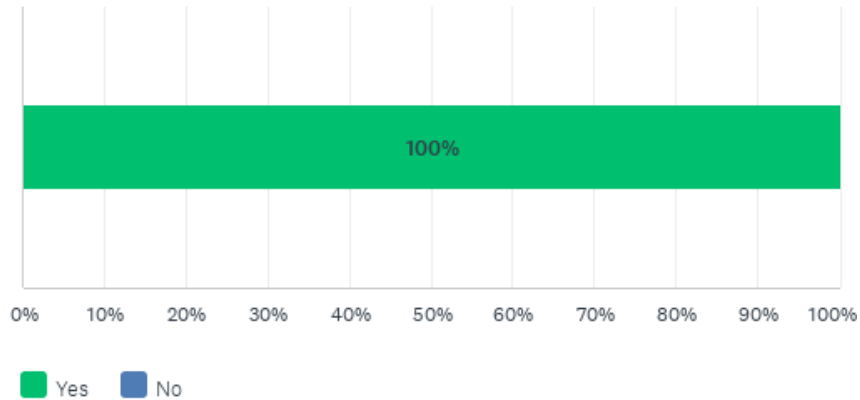
Answered: 42 Skipped: 10



ANSWER CHOICES	RESPONSES	
Yes	97.6%	41
No	2.4%	1
TOTAL		42

Q28: Are the safety procedures appropriate?

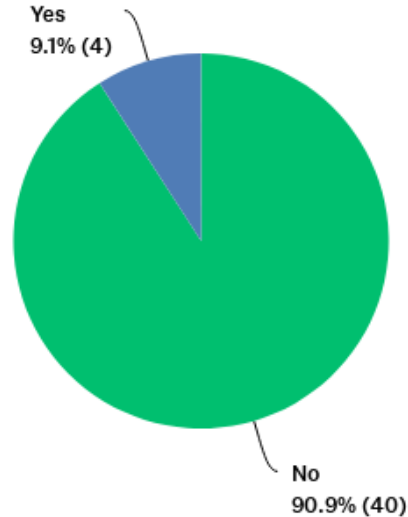
Answered: 42 Skipped: 10



ANSWER CHOICES	RESPONSES	
Yes	100%	42
No	0%	0
TOTAL		42

Q29: Have you (or your team) been involved in any safety incidents at LANSCE during your experimental time?

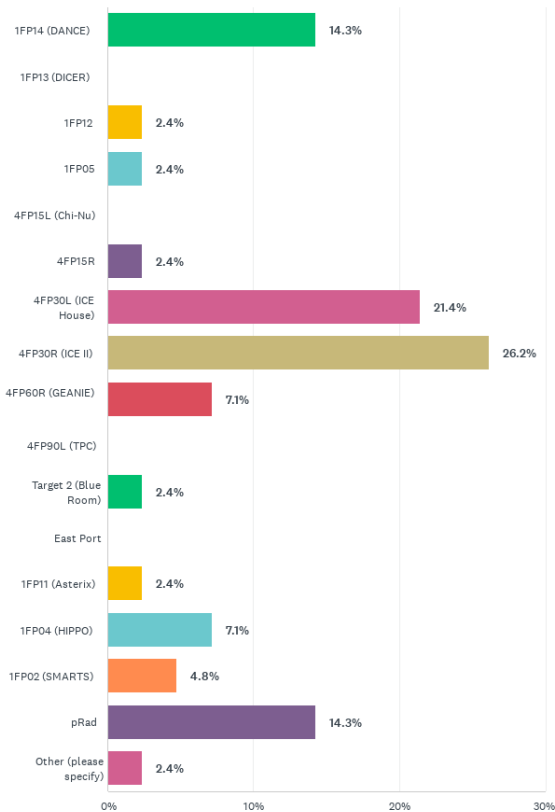
Answered: 44 Skipped: 8



ANSWER CHOICES	RESPONSES	
No	90.9%	40
Yes	9.1%	4
TOTAL		44

Q31: What flight path did you use at LANSCE?

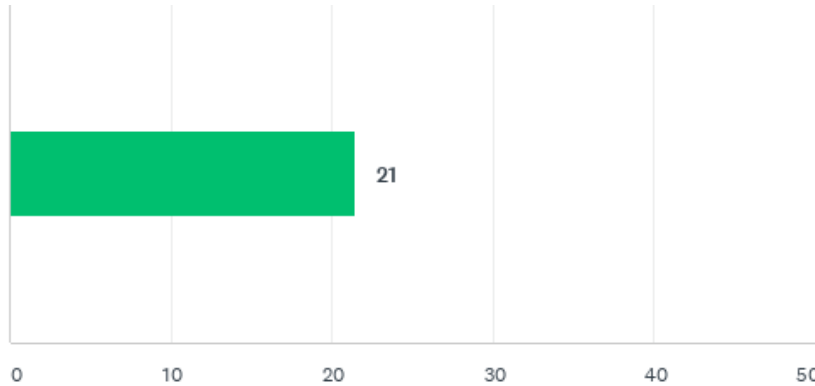
Answered: 42 Skipped: 10



ANSWER CHOICES	RESPONSES	
1FP14 (DANCE)	14.29%	6
1FP13 (DICER)	0.00%	0
1FP12	2.38%	1
1FP05	2.38%	1
4FP15L (Chi-Nu)	0.00%	0
4FP15R	2.38%	1
4FP30L (ICE House)	21.43%	9
4FP30R (ICE II)	26.19%	11
4FP60R (GEANIE)	7.14%	3
4FP90L (TPC)	0.00%	0
Target 2 (Blue Room)	2.38%	1
East Port	0.00%	0
1FP11 (Asterix)	2.38%	1
1FP04 (HIPPO)	7.14%	3
1FP02 (SMARTS)	4.76%	2
pRad	14.29%	6
Other (please specify)	2.38%	1
Total Respondents: 42		

Q34: What approximate downtime did you experience during your experimental time (in %; such as shutter issues, accelerator issues, etc.)?

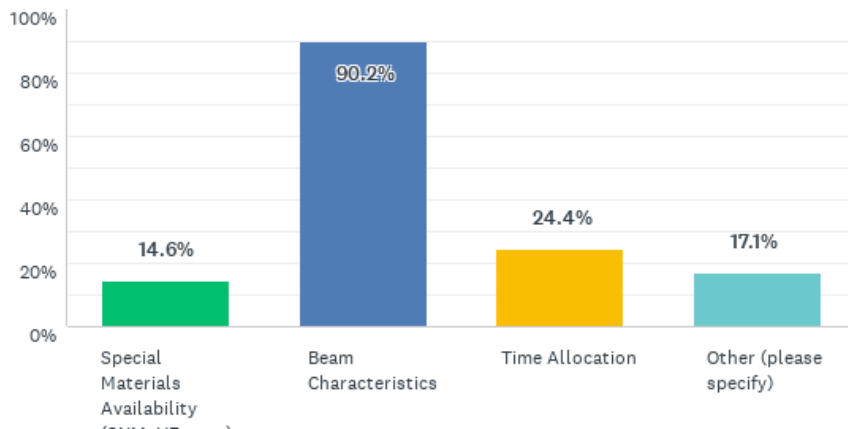
Answered: 32 Skipped: 20



ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
	21	686	32
Total Respondents: 32			

Q35: Why did you choose to do your experiment at LANSCE? (select all that apply)

Answered: 41 Skipped: 11



Other:

- n flux
- Protons are ideal for HE burn physics imaging and the long 21+ frame temporal record is ideal for observing the evolution of features over μ s time scales.
- the penetrating nature of the protons, and the sensitivity to dynamic damage of interest.
- unique
- It is one of the few facilities in the world with the capabilities.
- FP12 is one of the few places in the world where we can get the degree of access and freedom to bring a nontrivial homemade apparatus
- 30L is a unique facility

ANSWER CHOICES	RESPONSES			
Special Materials Availability (SNM, HE, etc.) (1)	14.6%	6		
Beam Characteristics (2)	90.2%	37		
Time Allocation (3)	24.4%	10		
Other (please specify) (4)	17.1%	7		
Total Respondents: 41				
BASIC STATISTICS				
Minimum	Maximum	Median	Mean	Standard Deviation
1.00	4.00	2.00	2.30	0.80