

S30XL/LESA Public Documents

(Note: many of these publications use the previous acronym DASEL, or simply S30XL, to refer to the combined scope of S30XL and LESA.

Published Physics Requirement Documents:

<https://slac.sharepoint.com/sites/pub/Publications/Forms/AD%20Operations%20DASEL1.aspx>

Papers and Publications

Date	Title	Authors	Doc Type	File
2019-09	A Beam Spreader System for LCLS-II	T. Beukers et al	NAPAC 2019 Proceedings	pdf
2019-05	Simulations of Beam Shaping for Dark Matter Experiments at LCLS-II	Y. Nosochkov et al	IPAC 2019 Proceedings	pdf
2019-04	Sector 30 Transfer Line: Community Statements on Science Opportunities (SLAC-R-1147)	N. Toro et al S30XL/LESA design team and user community	summary of S30XL and LESA science opportunities	pdf
2018-01-24	DASEL: Dark Sector Experiments at LCLS-II	T. Raubenheimer et al	PRAB Submission; ArXiv version	pdf
2017-05-15	DARK SECTOR EXPERIMENTS AT LCLS-II (DASEL) ACCELERATOR DESIGN	Y. Nosochkov et al	IPAC 2017 Proceedings	pdf
2016-09-12	DASEL Letter of Intent	N.Toro et al	Letter of Intent	pdf

Talks and Presentations

Date	Title	Meeting	Authors	File
2023-04-20	S30XL Status for LDMX CM	LDMX CM	T. Markiewicz	ppt
2017-05-25	SLAC Facilities for Dark Sector Searches	Light Dark Matter at Accelerators, Elba	T. Markiewicz	ppt
2017-03-24	The DASEL Proposal	U.S. Cosmic Visions Workshop, University of Maryland	T. Raubenheimer	ppt
2017-01-31	DASEL: Hunting for Dark Sectors at SLAC	SLAC EPP Experimental Seminar	T. Nelson	pdf
2017-01-20	DASEL: Introduction to LCLS-II Collaboration Staff Meeting	LCLS-II Collaboration Staff Meeting	N. Toro	ppt
2016-06-30	Light Dark Matter, LDMX and DASEL	AD Seminar joint with LDMX Collaboration Mtg.	N. Toro, T. Nelson, T. Raubenheimer	ppt
2016-04-28	The LCLS-II and SLAC Facilities for Dark Sector Searches	Dark Sector Workshop at SLAC	T. Raubenheimer	ppt