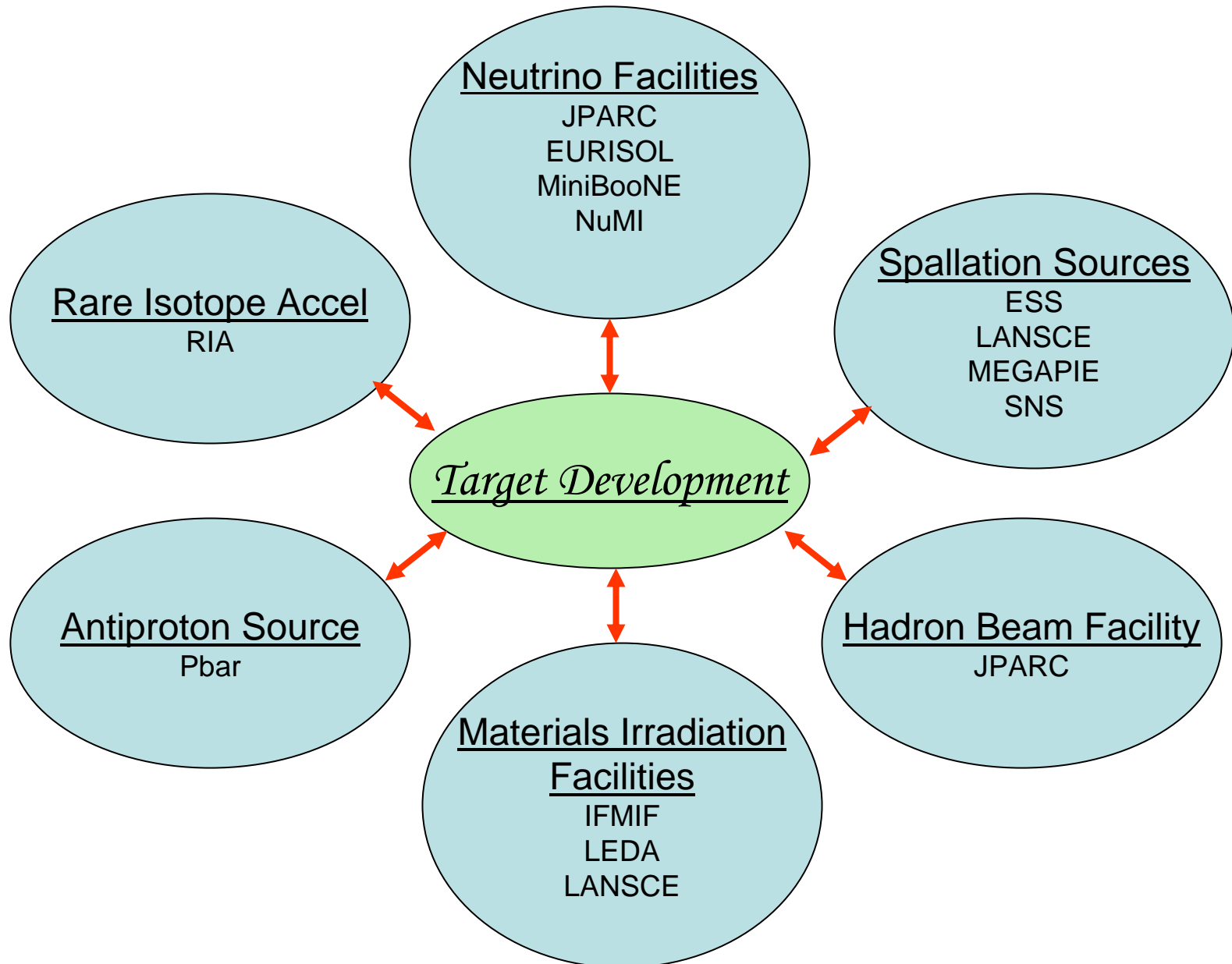


Facilities Discussed at This Workshop

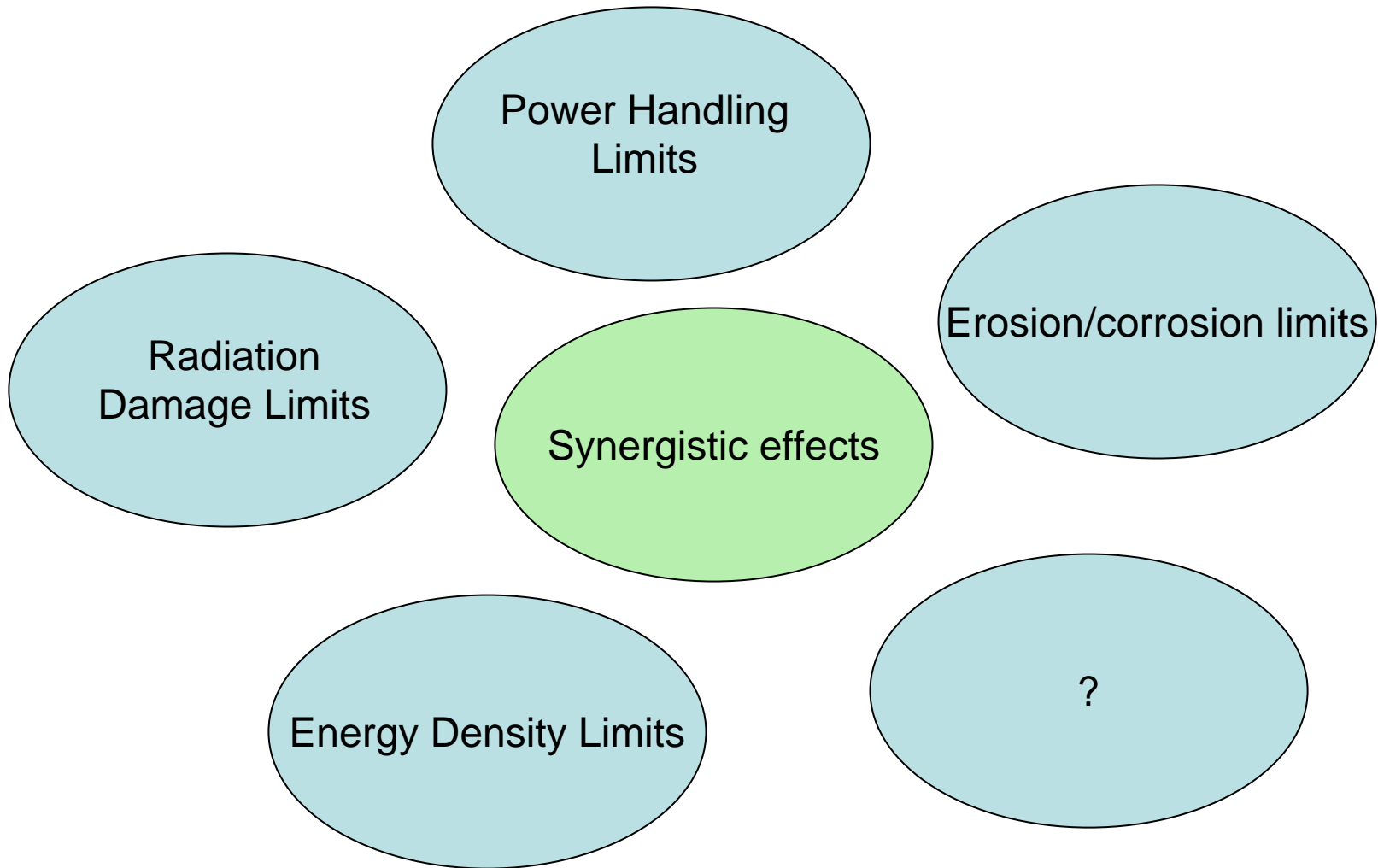
Some are gone, some are operating, some are being constructed, and some are still in the idea stage

- LANSCE - APT irradiation tests
- LANSCE - Materials Test Station
- LANSCE - Lujan
- SNS
- ESS - short pulse
- ESS - long pulse
- IFMIF
- LEDA based fusion mats test facility
- RIA
- JPARC - Hadron beam line
- JPARC - Neutrino beam line
- MiniBooNE
- NuMI
- NLC
- Pbar
- MEGAPIE
- EURISOL
- US Neutrino Factory

Accelerator Facilities Discussed at This Workshop



Target Limitations/Constraints



Target Parameters

Facility	Status	Target Material	Beam Pulse		Energy (GeV)	Time Ave Power in Beam (MW)	Peak Time Ave Power Density (MW/m ³)	Peak Energy Density (MJ/m ³ /pulse)
			Duration (ms)	Rep Rate (Hz)				
BNL Neutrino Superbeam	Under Study	C-C Composite	2.6	2.5	28	1	4,060	1,630
ESS - short pulse	Under Study	Hg	1.2	50	1.334	5	2,500	50
ESS - long pulse	Under Study	Hg	2,000	16.7	1.334	5	2,500	150
EURISOL	Under Study	Hg	3	50	2.2	4	100,000	2,000
IFMIF	Under Study	Li	CW		0.04 (D ₂)	10	100,000	NA
JPARC - Hadron beam line	Under Construc	Ni	7.E+05	0.3	50	0.75	7,600	5,300
JPARC - Neutrino beam line	Under Study	C	5	0.3	50	0.75	83	300
LANSCÉ - APT irradiation tests	Dismantled	W	1,000	20	0.8	0.8	800	40
LANSCÉ - Lujan	Existing	W	0.25	20	0.8	0.1	350	18
LANSCÉ - Mats Test Station	Under Study	Pb-Bi	1,000	120	0.8	0.8	2,400	20
LEDA as fusion mats test facility	Under Study	Li	CW		0.04 (D ₂)	2	100,000	NA
MiniBoone	Existing	Be	150	5	8	0.032	120	24
NLC - conventional	Under Study	W Re	0.26	120	6.2	0.086	334,800	2,790
NLC - undulator	Under Study	Ti alloy	0.26	120	0.011	0.126	1,110,000	9,200
NuMI	Existing	C	8.6	0.53	120	0.4	318	600
Pbar	Existing	Inconel 600 + ...	1.6	0.5	120	0.052	7,650	15,300
RIA	Under Study	Li, Be, Hg, W, ...	CW		1-96 (p to U)	0.4	< 4,000,000	NA
SINQ/Solid Target	Existing	Pb, SS-clad	CW		0.575	0.72	720	NA
SINQ/MEGAPIE	Under Construc	Pb-Bi	CW		0.575	1	1,000	NA
SNS	Under Construc	Hg	0.7	60	1	2	800	13
US Neutrino Factory	Under Study	Hg	0.003	15	24	1	3,800	1,080