

Working Group 1: High-Power Proton Accelerators

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WG1: High-power proton accelerators

- Goals
 - Convey to audience the activities and plans for high-power proton accelerators in the U.S. and U.K.
 - Opportunities for collaboration
- Topics to be discussed
 - Experience on test facilities: PXIE/FETs
 - Technology – SRF development, instrumentation
 - Ion Sources development
 - Computing/Simulations: beam dynamics
 - Novel approaches to acceleration

WG1: High-power proton accelerators Agenda

- Five working group sessions over 3 days
 - Each presentation is 20'+10'
 - Additional discussion at the end of each WG session (time availability)

Session 1	Session 2	Session 3	Session 4	Session 5
Ion Source	Test Facilities	Diagnostic / Instrumentation	Joint Session WG1+WG4	RF systems

- WG conveners meeting on Friday morning from 11:00 -12:30
 - Second round opportunity for tours

WG1: Session 1 Ion Source

Date: Wednesday, November 11

Convener: F.G. Garcia

Start	End	Talk	Speaker
16:00	16:05	Introduction	Fernanda G. Garcia
16:05	16:25	H- Ion Source Development at FNAL	Alex Garcia Sosa
16:35	16:55	H- Ion Source Development at RAL	Dan Faircloth
17:05		Adjourn	

WG1: Session 2 Test Facilities

Date: Thursday, November 12

Convener: Juergen Pozimski

Start	End	Talk	Speaker
09:00	09:20	Overview of PXIE	Lionel Prost
09:30	09:50	Overview of FETs	Alan Letchford
10:00	10:20	Overview of FAST	Alexander Valishev
10:40		Adjourn	

WG1: Session 3 Diagnostic & Instrumentation

Date: Thursday, November 12

Convener: Dan Faircloth

Start	End	Talk	Speaker
11:00	11:20	Diagnostic in PXIE	Vic Scarpine
11:30	11:50	Diagnostic in FETs	Stephen Gibson
12:00	12:20	Overview of Diagnostic Work in ISIS	Alex Pertica
12:30		Adjourn	

WG1: Session 4 Joint session with Novel accelerators

Date: Thursday, November 12

Convener: Eric Prebys

Start	End	Talk	Speaker
13:30	13:50	FAST – Non-linear Optics	Alexander Valishev
14:00	14:20	Non-linear Optics Simulation	Nathan Cook
14:30	14:50	High Power Proton Linac Development	Ciprian Plostinar
15:00		Utilization of Laser Stripping for H- multi-turn injection: Overview	David Johnson

WG1: Session 5 RF Systems

Date: Friday, November 13

Convener: Fernanda G. Garcia

Start	End	Talk	Speaker
09:00	09:20	SRF Development at FNAL	Sam Posen
09:30	09:50	SRF Development at Daresbury	Peter McIntosh
10:00	10:20	Normally Conducting RF – An Overview of the ISIS accelerators	Mark Keelan
10:30	10:40	Wrap-up Discussion / Adjourn	

Have a great workshop!