#### **Session Program**

16-19 May 2022

# International Workshop on Breakdown Science and High Gradient Technology (HG2022)

**Poster Session** 

## Monday 16 May

Se	ssion
	14:30-14:40
н	igh temperature superconductor-based RF cavity development high power tes
S Je	<b>peakers</b> essica Golm, Mitch Schneider
	14:30-14:40
S	atus and plans of the new XBand laboratory for accelerators and beams, X-LA
S	peakers
Μ	atteo Volpi, Matteo Volpi
	14:30-14:40
D	esign and Prototyping of high-gradient Ka-band accelerating structures
S	peakers
В	runo Spataro, Luigi Faillace
	14:20 14:40
5	<sup>14:30-14:40</sup> FY reduction and assembly techniques of dielectric accelerating structure
a	oplications
S	peaker
A	lexej Grudiev
	14.20 14.40 Wakefield Damping of a Distributed Coupling LINAC for CLIC
F	peaker van James Fricson
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П	actor Section, Dector MON
P Se	ssion
	18:55-19:35
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#### Speakers

Matteo Volpi, Matteo Volpi



## Tuesday 17 May

Poster Ses	sion: File Upload / Asian Session
14:30-14:40 Speaker Louise Cowie	Results and observations from high-gradient photoinjector testin
14:30-15:00 <b>Speaker</b> Kazumichi Sumi	Design of disk-loaded traveling wave structure for the muon linad
14:30-15:00 <b>Speaker</b> Liuyuan Zhou	Breakdown study on an X-band RF gun
14:30-15:00 <b>Speaker</b> Yuliang Jiang	Parallel Feed structures
14:30-14:40 <b>Speaker</b> Bruno Spataro	Development of X-band high gradient structures and CuAg alloys
14:30-14:40 Speaker Lee Millar	High-Field Studies in the Linac4 RFQ at CERN
14:30-14:40 Speakers Chunguang Jing	Design and test of a short pulse X-band deflector , Chunguang Jing, Chunguang Jing
Poster Ses	sion: Poster TUE-2
18:55-19:30 <b>Speaker</b> Yuliang Jiang	Parallel Feed structures
18:55-19:30 <b>Speaker</b> Liuyuan Zhou	Breakdown study on an X-band RF gun
18:55-19:30 <b>Speaker</b> Kazumichi Sumi	Design of disk-loaded traveling wave structure for the muon linac
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<b>Speake</b> Louise C	r Cowie
18:55-	19:30 Design and test of a short pulse X-band deflector
<b>Speake</b> Chungu	i <b>rs</b> ang Jing, Chunguang Jing, Chunguang Jing
18:55-	19:30 Development of X-band high gradient structures and CuAg alloys
<b>Speake</b> Bruno S	r pataro
18:55-	19:30 High-Field Studies in the Linac4 RFQ at CERN
9:30 Speake Lee Milla	r ar

### Wednesday 18 May

<b>Poster Se</b>	ssion: File Upload / Asian Session
14:30-14:40	aching Learning to Preakdown Prediction in High Cradient RE Cavitic
Speakers	achine Learning to Breakdown Prediction in High-Gradient RF Cavitie
Christoph Obe	rmair, Lee Millar
14:30-15:00	Bveri activities on MBK RF source
<b>Speaker</b> Zhizhi Wan	
14:30-15:00	Recent Developments in X-band Klystrons at CETD
Speaker	
Toshiyasu Higo	
14:30-14:40	
Field enhar	cement sharpening mechanism via biased surface diffusion
<b>Speaker</b> Jyri Kimari	
14:30-14:40	Cathode versus Anode Breakdown Features in Cryogenic Conditioni
Speakers Iaroslava Profa	tilova, Marek Jacewicz
14:30-14:40	
Atomistic n	nodeling of the coupling between electric field and bulk plastic
deformatio	n
Speaker Soumendu Bag	Jchi
14.20.14.40	
Comparativ	e material study of breakdown threshold and robustness to low-
energy pro	ton irradiation
Speakers	
Catarina Seran	
oster Se	ssion: Poster WED-2
ession	
18:50-19:30	
	achine Learning to Breakdown Prediction in High-Gradient RF Cavitie
Applying M	
Speakers	

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Field enhancement sharpening mechanism via biased surface diffusion

19.50 10.20	Cathode versus Anode Breakdown Features in Cryogenic Conditio
19:20-19:20	Cathode versus Anode Breakdown Features in Cryogenic Condition
Speakers	
laroslava Prof	atilova, Iaroslava Profatilova, Marek Jacewicz
18:50-19:30	
Atomistic i	nodeling of the coupling between electric field and bulk plastic
deformatio	on i i i i i i i i i i i i i i i i i i i
Speaker	
<b>Speaker</b> Soumendu Ba	gchi
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Speaker Soumendu Ba 18:50-19:30 Comparati energy pro	<sup>gchi</sup> ve material study of breakdown threshold and robustness to low- oton irradiation
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19:30

Toshiyasu Higo

## Thursday 19 May

Session	
14:30-14:40	ng schemes for highgradient Dielectric Laser Accelerators (DL
Speaker	
Giuseppe Torris	
14:30-14:40	Modulator
<b>Speaker</b> Bas Eikelboom	
14:30-14:40	VDL Machining
Speaker	
Paul Blom	
14:30-14:40	Simulation Design of Multicell DDA Structure
Speaker	
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Sarah Weatherl	sion: Poster THU-2
Sarah Weatherl Poster Ses Session 19:00-19:40 Copropagat	sion: Poster THU-2 ing schemes for highgradient Dielectric Laser Accelerators (DL
Sarah Weatherl Poster Ses Session 19:00-19:40 Copropagat Speaker Giuseppe Torris	sion: Poster THU-2 ing schemes for highgradient Dielectric Laser Accelerators (DL
Sarah Weatherl Poster Ses Session 19:00-19:40 Copropagat Speaker Giuseppe Torris 19:00-19:40	sion: Poster THU-2 ing schemes for highgradient Dielectric Laser Accelerators (DL Simulation Design of Multicell DDA Structure
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