Session Program

21-24 Jun 2022



The 40th RD50 Workshop (CERN) Defect and Material Characterization

CERN, 6/2-024 - BE Auditorium Meyrin

Tuesday 21 June

09:00-09:10 Wel	come
Speaker	
Michael Moll	
09:10-09:30	
Non-Ionizing Ene	rgy Loss: Geant4 simulations and OPTICS clustering towards
more advanced l	IIEL concept for radiation damage modelling and prediction
Speaker Vendula Subert	
09:30-09:50	
Radiation damag	e investigation of epitaxial p-type silicon using DLTS and TAS f Schottky and pn-junction diodes
Speaker	
Christoph Thomas Kle	n
09:50-10:10	
Update on Radia	tion damage investigation of epitaxial P-type Silicon using
Schottky uloues	
Dr Matthew Glenn Kur	h
Dr Matthew Glenn Kur	h
10:10-10:30	h
10:10-10:30 The A_Si-Si_i-def	^h ect - a possible candidate to explain acceptor removal in LGAI
10:10-10:30 The A_Si-Si_i-def Speaker	h ect - a possible candidate to explain acceptor removal in LGAI
10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer	^h ect - a possible candidate to explain acceptor removal in LGAI
Dr Matthew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff	^h ect - a possible candidate to explain acceptor removal in LGAI ee break
Dr Mattnew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff	^h ect - a possible candidate to explain acceptor removal in LGAI ee break
Dr Matthew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20	ect - a possible candidate to explain acceptor removal in LGAI ee break
Dr Matthew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of	ect - a possible candidate to explain acceptor removal in LGAI ee break high resistivity p-type FZ silicon diodes after 60Co - gamma
Dr Mattnew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of irradiation	ect - a possible candidate to explain acceptor removal in LGAI ee break high resistivity p-type FZ silicon diodes after 60Co - gamma
Dr Mattnew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of irradiation Speaker	ect - a possible candidate to explain acceptor removal in LGAI ee break high resistivity p-type FZ silicon diodes after 60Co - gamma
10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of irradiation Speaker Mr Chuan Liao	ect - a possible candidate to explain acceptor removal in LGAI ee break high resistivity p-type FZ silicon diodes after 60Co - gamma
Dr Mattnew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of irradiation Speaker Mr Chuan Liao 11:20-11:40 Defe	ect - a possible candidate to explain acceptor removal in LGA ee break high resistivity p-type FZ silicon diodes after 60Co - gamma ect characterization studies on gamma-irradiated p-type Si did
Dr Matthew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of irradiation Speaker Mr Chuan Liao 11:20-11:40 Defe	ect - a possible candidate to explain acceptor removal in LGA ee break high resistivity p-type FZ silicon diodes after 60Co - gamma ect characterization studies on gamma-irradiated p-type Si dio
10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of irradiation Speaker Mr Chuan Liao 11:20-11:40 Defe Speaker Anja Himmerlich	ect - a possible candidate to explain acceptor removal in LGA ee break high resistivity p-type FZ silicon diodes after 60Co - gamma
Dr Matthew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of irradiation Speaker Mr Chuan Liao 11:20-11:40 Def Speaker Anja Himmerlich	ect - a possible candidate to explain acceptor removal in LGA ee break high resistivity p-type FZ silicon diodes after 60Co - gamma
Dr Matthew Glenn Kur 10:10-10:30 The A_Si-Si_i-def Speaker Dr Kevin Lauer 10:30-11:00 Coff 11:00-11:20 Investigation of irradiation Speaker Mr Chuan Liao 11:20-11:40 Defe Speaker Anja Himmerlich 11:40-12:00	ect - a possible candidate to explain acceptor removal in LGA ee break high resistivity p-type FZ silicon diodes after 60Co - gamma

12:00-12:20

RD50 Project proposal: Defect engineering in PAD diodes mimicking the gain layer in LGADs

Speaker

Ioana Pintilie

12:20-12:50 Discussion: Defects and Material Characterization

Speakers

Ioana Pintilie, Michael Moll

12:50