

Dieter Möhl Awards 2023

Awarded since 2013 (COOL'13 in Mürren)

It is awarded in memory of Dieter Möhl, a pioneer in the field of particle beam cooling who passed away very suddenly in 2012.

“Dieter Möhl (1936 — May 24, 2012) was a German accelerator physicist. Möhl worked at [CERN](#) and contributed substantially to the antiproton programme, the Initial Cooling Experiment (ICE) and was a member of the team which initiated and designed the [Low Energy Antiproton Ring](#) (LEAR). The Dieter Möhl Medal and the Dieter Möhl Award are sponsored by CERN as a memorial to him.”



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- *Life-time achievements and/or recent important contributions to the field of beam cooling and their applications.*
- *Young scientists in their early career who have already made significant contributions to the field of beam cooling and their applications.*





SDIETER MÖHL AWARD 2023

Dr. Jonathan JARVIS (FNAL)



*"FOR THE DEMONSTRATION OF OPTICAL
STOCHASTIC COOLING IN THE FERMILAB IOTA
RING."*

PRESENTED BY: GERARD TRANQUILLE

(ON BEHALF OF THE COOL23 INTERNATIONAL ADVISORY
COMMITTEE)

ON THIS DAY:

12TH OCTOBER, 2023



DIETER MÖHL AWARD 2023

Dr. Claude KRANTZ (GSI)



“FOR HIS IMPORTANT STUDIES OF TRANSVERSE ELECTRON COOLING OF HEAVY, LOW-VELOCITY MOLECULAR ION BEAMS AND HIS DECISIVE ROLE IN THE DOCUMENTATION OF TRANSVERSAL ELECTRON COOLING RATES AND RELATED SCALING LAWS”

PRESENTED BY: GERARD TRANQUILLE

(ON BEHALF OF THE COOL23 INTERNATIONAL ADVISORY COMMITTEE)

ON THIS DAY:

12TH OCTOBER, 2023





DIETER MÖHL AWARD 2023

Dr. Ilan BEN-ZVI (BNL)



*"FOR HIS OUTSTANDING CONTRIBUTIONS TO
THE DEVELOPMENT OF HIGH ENERGY ELECTRON
COOLING AND APPLICATION OF PARTICLE
BEAM COOLING AT BNL"*

PRESENTED BY: GERARD TRANQUILLE

(ON BEHALF OF THE COOL23 INTERNATIONAL ADVISORY
COMMITTEE)

ON THIS DAY:

12TH OCTOBER, 2023



DIETER MÖHL AWARD 2023

Dr. Alexander ZHOLENTS (ANL)



*“FOR THE INITIAL IDEA AND THEORY OF
OPTICAL STOCHASTIC COOLING”*

PRESENTED BY: GERARD TRANQUILLE

(ON BEHALF OF THE COOL23 INTERNATIONAL ADVISORY
COMMITTEE)

ON THIS DAY:

12TH OCTOBER, 2023



DIETER MÖHL AWARD 2023

Dr. Valeri LEBEDEV (FNAL)



*“FOR HIS PATH-BREAKING STUDIES OF
OPTICAL STOCHASTIC COOLING RESULTING IN
THE IMPRESSIVE RECENT PROOF-OF-PRINCIPLE
EXPERIMENT AT FERMILAB”*

PRESENTED BY: GERARD TRANQUILLE

(ON BEHALF OF THE COOL23 INTERNATIONAL ADVISORY
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