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## Interaction dynamics in collisions of ions with molecules and clusters

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# List of Acronyms and Abbreviations

AMO	atomic, molecular and optical physics
BEC	Bose-Einstein condensate
BCA	binary collision approximation
CFD	constant-fraction discriminator
CRIMS	cluster recoil ion momentum spectrometry
DFT	density functional theory
DIB	diffuse infrared bands
ECR	electron cyclotron resonance
ECRIS	electron cyclotron resonance ion source
FEL	free electron laser
FUV	far ultraviolet
IR	infrared
ISM	interstellar medium
KER	kinetic energy release
KVI	kernfysisch versneller instituut
MCP	micro-channel plate (multi-channel plate)
PAH	polycyclic aromatic hydrocarbon
QED	quantum electrodynamics
REBO	reactive bond order (potential)
RETOF	reflectron time-of-flight
RIMS	recoil ion momentum spectrometry
SN	supernova
SRIM	Stopping and Range of Ions in Matter
TDC	time-to-digital converter
TOF	time-of-flight
UV	ultraviolet
VDW	Van Der Waals
ZBL	Ziegler Biersack Littmark (potential)

