



Innsbruck Physics Colloquium

Charge Particle Interactions with N and O Containing Species

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The talk will begin with a concise overview of the charged particle chemistry in the atmosphere, starting from the 1700s. The main subject is ionospheric chemistry which is dominated by species involving only O and N atoms. Despite the apparent simplicity, reactions involving only these two atoms produces a very rich chemistry involving multiple reaction types and states, all of which are important. I will present data on ion molecule chemistry performed at my lab, Chemitz, and Innsbruck, mutual neutralization measured at U. of Stockholm, and a chemi-ionization reaction involving a very complicated reaction scheme measured in our lab. All are important for a variety of reasons in the atmosphere and those will be briefly discussed.

DK-ALM Pre-Talk: Roberts Berkis

Scalable quantum networks using trapped ions

Time & Location: Tuesday, 14.10.2025, 16:30 h, HS C

Snacks will be provided in between the pre-talk and the colloquium.