

LITHIUM IN THE COSMOS

Institut d'Astrophysique de Paris

PROGRAM

MONDAY, FEBRUARY 27th

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| 8:30-9:30 | Registration and Breakfast |
| 9:30-9:35 | L. Vigroux: <i>Welcome speech</i> |
| 9:35-10:00 | M. Spite: <i>The cosmic lithium problem. One observer's perspective</i> |
| 10:00-10:30 | L. Sbordone: <i>Lithium abundances in extremely metal poor turn-off stars</i> |
| 10:30-11:00 | S. G. Ryan: <i>The reliance of lithium abundances and isotopes on troublesome stellar atmospheres</i> |
| 11:00-11:30 | Coffee Break |
| 11:30-12:00 | W. Aoki: <i>Li abundances in very metal-poor, main-sequence turn-off stars</i> |
| 12:00-12:30 | J. Melendez: <i>Depletion signatures in the Spite plateau: new insights from UVES data</i> |
| 12:30-12:45 | P. E. Nissen: <i>Lithium abundances in high- and low-alpha halo stars</i> |
| 12:45-13:00 | M. Adamow: <i>Lithium Abundances for 1000 Evolved Stars</i> |
| | Lunchtime |
| 14:30-15:00 | J. C. Howk: <i>Lithium in the Interstellar Medium: an Independent Probe of Lithium Evolution</i> |

- 15:00-15:30 C. Charbonnel: *Lithium processing in stars: Diagnostics for stellar structure and evolution*
- 15:30-16:00 O. Richard: *Atomic diffusion and lithium processing in old metal poor stars*
- 16:00-16:30 **Coffee Break**
- 16:30-16:45 H. Lau: *Lithium production in SAGB stars*
- 16:45-17:00 S. Uttenthaler: *Lithium destruction and production observed in red giant stars*
- 17:00-18:00 **Poster Presentations** (2' oral, no questions)
- 18:00-19:30 **Poster Session** with *wine and cheese*

TUESDAY, FEBRUARY 28th

- 9:30-10:00 A. Korn: *Shedding light on lithium evolution: the globular-cluster perspective*
- 10:00-10:15 L. Monaco: *The Lithium content in the globular clusters M4 and Omega Centauri*
- 10:15-10:30 A. Koch: *A super-Li rich turnoff star in NGC 6397 - the puzzle persists*
- 10:30-10:45 A. Mucciarelli: *Giant reveal what dwarf conceal: Li abundance in lower RGB stars*
- 10:45-11:00 F. Primas: *Lithium in dwarf spheroidals of the Local Group*
- 11:00-11:15 X. Fu: *The discovery of 13 lithium-rich red giants in Milky Way dwarf satellite galaxies*
- 11:15-11:45 **Coffee Break**
- 11:45-12:00 E. Skillman: *The Primordial He abundance: No Problem*
- 12:00-12:30 K. Lind: *Li depletion in halo stars*
- 12:30-13:00 M. Steffen: *Li detection in metal-poor stars: can 3D model atmospheres solve the second lithium problem?*
- Lunchtime**
- 15:00-17:00 **Round Table** lead by: M. Asplund, P. Bonifacio, R. Cayrel, K. Jedamzik, and G. Meynet
- 20:00 **Social Dinner** at Bistrot Breteuil (3, Place de Breteuil. Metro stop *Sèvres-Lecourbe*, Line 6)

WEDNESDAY, FEBRUARY 29th

9:45-10:15 A.Coc: *Nuclear Reactions in Big Bang Nucleosynthesis*

10:15-10:45 K. Olive: *Exotic BBN*

10:45-11:15 **Coffee Break**

11:15-11:45 T. Kajino: *Exotic BBN*

11:45-12:15 B. Fields: *Cosmic-Ray Synthesis of Lithium*

12:15-12:45 F. Iocco: *Conclusions*