



Recollection of Dieter Moehl

T. Katayama, A. Noda and N. Tokuda

2013, June, COOL13, Murren

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In 1977, we three started the construction of ion storage ring TARN at the Institute of Nuclear Study Univ. of Tokyo in view of the future heavy ion acclerator facility, NUMATRON in Japan.

In 1979, Takeshi and Akira joined in the Heavy Ion Fusion Workshop at Berkeley where we met Dieter first time and worked together on the beam instabilities of high dense low energy, 50 MeV/u ion beam in the storage ring.

After the completion of RF stacking and stochastic cooling at TARN, Noboru stayed at CERN LEAR group in 1986~1987 to work on the stochastic cooling of low energy 60 MeV/c antiproton beam.

Dieter took Noboru and Takeshi hiking (Jura) and skiing (Zermatt).

Jura, 5th July 1987



At the same period Takeshi also worked together at LEAR group. Dieter Moehl, Michel Chanel and Piere Lefevre were main collaborators. Noboru consulted with Dieter on his job. Dieter's comment was pertinent and sometimes severe.

Noboru's memory: "The staying at CERN LEAR group for 19 monthes was one of my happiest periods in my life. I have ever met few persons so gentle, modest and wise as Dieter."

Akira moved to Kyoto University and started the construction of storage ring, S-LRS where he many times consulted and discussed with Dieter on the Laser Cooling.

**Akira frequently visited to Dieter CERN.
Discussion on Laser cooling at S-LSR of Kyoto
University.**



Takeshi started at RIKEN the MUSES project (unfortunately not realized). Dieter stayed at RIKEN as an “Eminent Scientist” to consult and collaborate on this project in 2002.

At the “COOL03” workshop in 2003 at Mt. Fuji, Dieter played key role as a member of International Advisory Committee.

From 2004 to 2012, Takeshi worked together with Dieter and Lars on the FAIR storage ring project, stochastic cooling and stacking of Pbar beam collaborating with GSI colleagues.

From 2008 to 2012, Igor Meshkov invited Dieter, Lars and Takeshi to jointly work on the adventure NICA of JINR. Sometimes we had “hot and cool” discussions at Zermatt skiing



**Eminent Scientist at RIKEN
Beam Physics and Engineering Laboratory (2002)**

Program Committee for COOL03 at Mt. Fuji (2003)



2003 5 20

COOL03 at Mt. Fuji

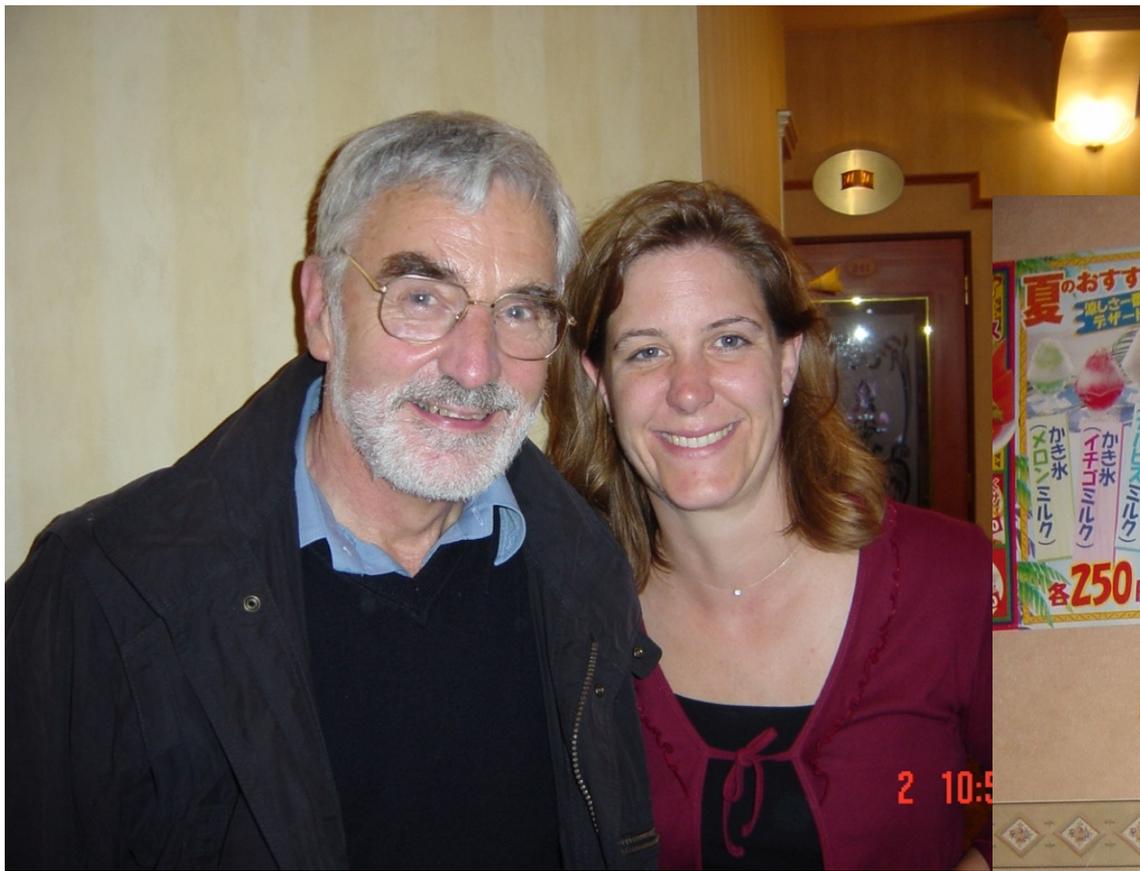




Two greats enjoying the Takeshi hand made Japanese noodle strings. (2003)



Finally success to handle strings



**As gentle father
and husband
(in Tokyo 2003)**



**Skiing Teacher at Matterhorn
(2008)**



**Concept of NICA collider was discussed at
Gornograd (2008)**



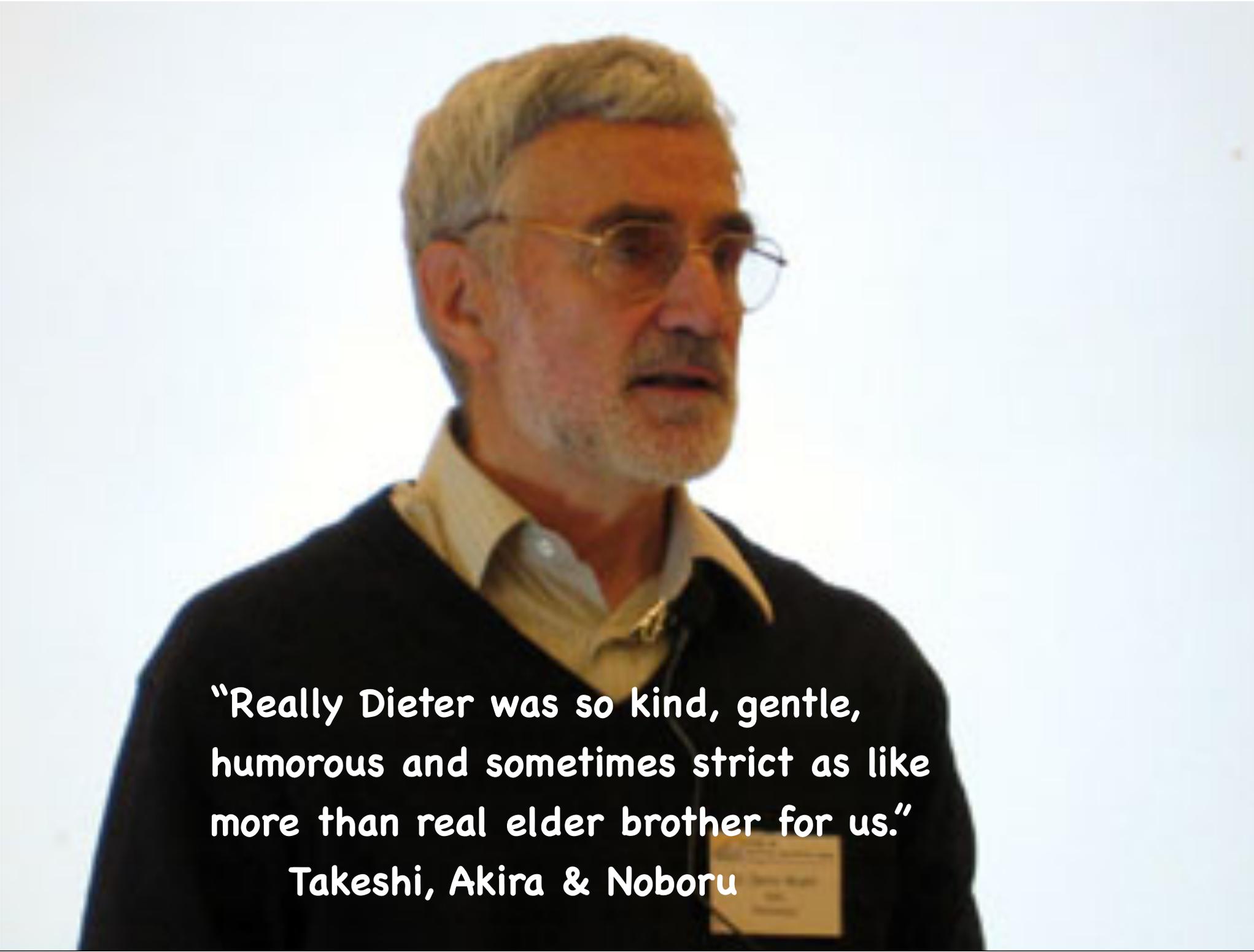
**After the discussion and skiing at Zermatt
At the Hotel Toilette as like Menukhin (Violinist).**

COOL11 and Saranzev Meeting at Alushta, Ukraine 2011

At the party of Celebration of 75th Birthday of Igor.
The last photo of Dieter which we have.



Not Boxing match with
Igor !



**“Really Dieter was so kind, gentle,
humorous and sometimes strict as like
more than real elder brother for us.”**

Takeshi, Akira & Noboru