Sad News

• We have lost one of the key members of the US MAP effort – *Yuri Alexahin*

From VS:

With heavy heart we convey a sad news that following a massive stroke (deep internal brain damage due to bleeding) Yuri Ivanovich Alexahin has died on September 11th in the Central DuPage Hospital (IL, USA). He was 72.

Yuri was an outstanding accelerator scientist , his career spanned more than 40 years with critical contributions to a range of important developments – from collective acceleration methods and the Tau-Charm factory design in Dubna, to LEP luminosity optimization and coherent beam-beam effects theory; from being one of the "Tevatron heroes" who made the Collider Run II luminosity performance a smashing success to key contributions to the design of a practical energy frontier Muon Collider and invention of the helical FOFO-snake muon ionization cooling method, from the pioneering theory and development of the Tevatron electron lenses to deep analysis and experimental studies of beambeam, space-change effects and instabilities.

Yuri is survived by his wife Marina and son Vadim.



A funeral and farewell ceremony on Friday, September 18th, 2020 between 4 pm -8 pm CST at <u>Dupage Cremations Memorial Chapel</u> (951 W Washington St, West Chicago, IL 60185).

You can share memories via <u>https://memories.net/timeline/yuri-alexahin-85895</u>

Accelerator Frontier Working Group 4 Multi-TeV Colliders

MULTITEV-SNOWMASS21@fnal.gov



Mark Palmer

Nadia Pastrone

Jingyu Tang

mpalmer@bnl.gov

pastrone@to.infn.it

<u>ta</u>

tangjy@ihep.ac.cn

Alexander Valishev

valishev@fnal.gov



for the Snowmass Young Accelerator Frontier

Marlene Turner

marleneturner@lbl.gov

Machines @ 1-100 TeV Energy Reach, and Beyond...

- This Working Group aims to explore
 - Potential Machine Routes
 - R&D Requirements
 - Potential Readiness Timelines
 - Common Issues at the very high energy scale such as energy efficiency and cost
- It will coordinate with the Energy Frontier Physics Group to identify
 - Connections between the physics needs and accelerator types
 - Detailed machine requirements to achieve the community's physics goals

AF questions

- acknowledge each submitted LOI → table contact before 17/9
- needs for discussions in your group at the CPM → yes 2 h slot
- needs for discussions with other AF topical groups at the CPM → yes same slot

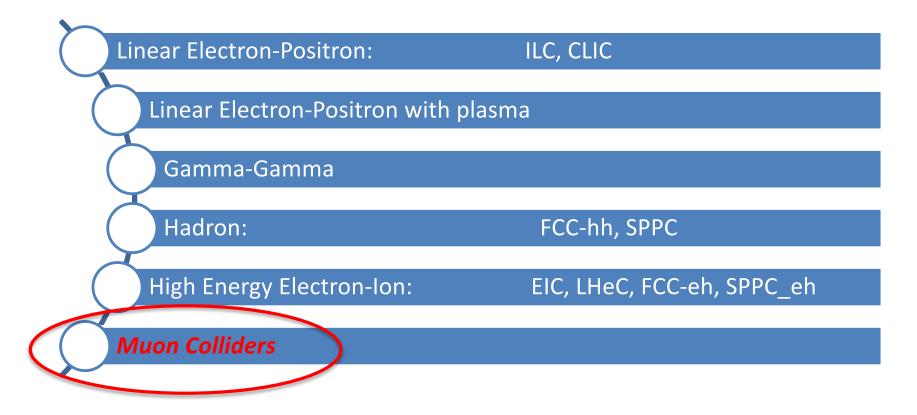
→ need a different slot to discuss with EF – what is still to be provided by machine

- plans for preparatory meetings prior to the CPM → 1 meeting September 17
- list of key questions/themes/topics to lump LOIs and your group's work around
 Focus On:
 - Machine concept \rightarrow a few categories \rightarrow basic parameters for physics
 - Key R&D technologies to deliver a potential future capability

To be investigated further:

Connections of the technology to existing facilities (e.g. to provide potential facility construction and/or R&D pathways)

Machines with $E_{cm} \ge 1$ TeV and Collaborations



Other possibilities?

Plans towards the US CPM

Preparatory Meeting September 17 9:00 am US central

https://indico.fnal.gov/event/45430/

• Currently preparing the AF session layout for the CPM including all joint sessions

Snowmass Community Planning Meeting – Virtual October 5-8, 2020 Registration is OPEN https://indico.fnal.gov/event/44870/overview

indico.fnal.gov 🗰 Apple News 🗸 Personal 🗴 Snowmass_2021 🗸 BNL 🗴 BNL AS&T Initiative 🗸 ATF 🗸 BNL_SP 🗸 eRHIC 🗸 MAP 🗸 DOE 🗸 Ext_Reviews 🗸 HL-LHC 🗸 Workshop/Conf 🗸 US MDP 🗸 ICFA 🗸 Neutrinos 🗸 PLI 🗸 SLP 🗸 FNAL 🗸 Apple/Mac 🗸 Snowmass Co.. Google Custom. **Snowmass Community Planning Meeting - Virtual** 5-8 October 2020 Virtual US/Central timezo Overview Over the next year, the U.S. particle physics community will be engaged in Snowmass 2021, an in-Timetable depth process to define the most important questions for our field and to identify promising opportunities to address these questions in a global context. Contribution List The primary goal of the Community Planning Meeting is to develop plans and steps to take Registration ("Snowmass Planning") between October 2020 and the Snowmass Community meeting in July Participant List 2021, leading to a final report in October 2021. Fermilab Statement of **Community Standards** Other goals include: **Connection Information** Inspire the community about the field, and encourage them to engage broadly in the Snowmass **Organizing Committees** process · Inform the community about plans from other regions and from related fields and planned Contact Snowmass activities Listen to the community kiburg@fnal.gov Provide space for members across the field to talk to each other and to discuss, promote, and boj@fnal.gov develop new ideas Establish cross working-group connections and identify gaps We very much look forward to the community's strong participation in the Community Planning Meeting. Any information concerning Snowmass is available at snowmass21.org Snowmass is an APS process. All participants of the CPM must agree to follow the APS Code of Conduct. Please note that all times in the timetable are displayed in US Central Time (UTC-6).

Long Term

 After the CPM, we will coordinate with all LOI teams to discuss final whitepapers to be submitted by: *July 31, 2021*