

A few comments about the "JHF" facility

Tremendous

1. Excellent potential for discoveries in V -strangeness and hadron physics
2. Unique facility with no equivalent in the world
3. Recognition of the importance of the Japanese community in Nuclear and Particle Physics

but there are a few concerns

4. The detectors and some of the beam lines are not yet financed \rightarrow not a comfortable situation: studies of secondary beams have to be finalized rapidly as some machine options may be a problem for further developments

A FACILITY = MACHINE + BEAM-LINES + DETECTORS
(+ PHYSICISTS !)

5. Some machine options are not yet fully developed in hadron physics sector

a) polarized beams: there is some physics interest but not yet a community behind it. Some work done on the possibility of accelerating polarized protons showing that (HATANAKA, MORE):

- possible / easy up to 3 GeV
- " but more difficult up to 30-40 GeV
- very difficult / impossible up to 50 GeV due to many resonances

\Rightarrow Space should be kept for some partial snakes in 50 GeV PS

8) H.I. good prospect for QGP studies in the baryon rich sector \Rightarrow not characteristic of the first instants of the Universe but of great interest for the study of supernovae explosion or neutron stars

Both the \vec{p} and H.I. will need additional equipment

- polarized and/or HI source
- a special linac for HI injection

These additional equipments need money and manpower and **priorities** will have to be made - It is important the community (Japanese / international) behind them be identified rapidly

A final word about the **international status** of the project.

First, as a former Director of SATURNE / Saday I am very pleased the former SATURNE Spectrometers (SPES2...) will find a second life here after SATURNE closure - Together with other examples (LEAR magnets, D6/BNL beam line?), they are the first indications of the starting interest from the international community.

Concerning further international contributions, it is important that our Japanese colleagues inform the scientific world of the existence and potentialities of the new facility through workshops following Savada-Sau Suggestion.

To CONCLUDE

- congratulations to our Japanese colleagues for their success
- it is clear that they will have to set priorities and that it will not be an easy task especially in hadron sector
- but it is better to have too many prospects than none