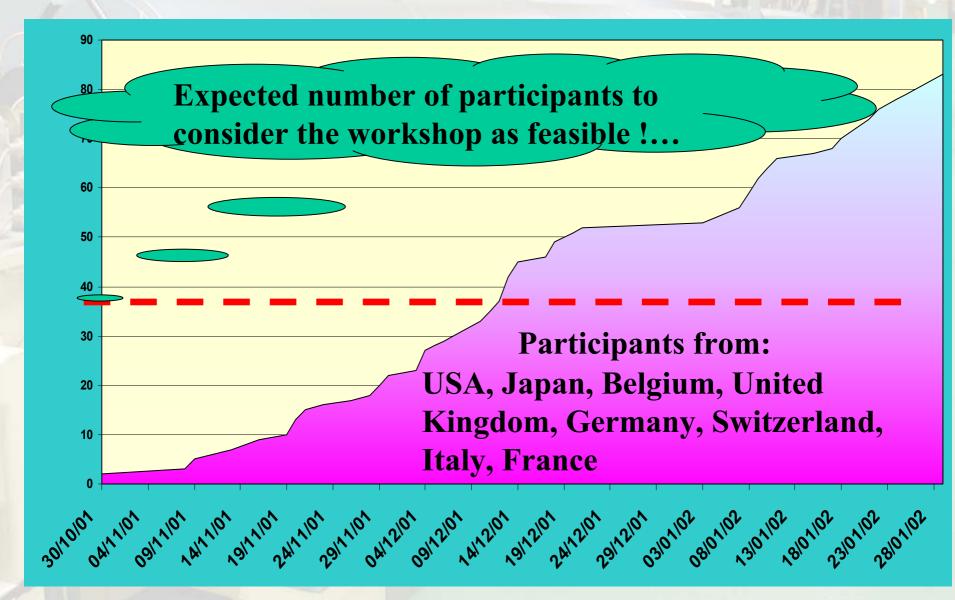
ACCELERATOR RELIABILITY WORKSHOP

Grenoble, 4-5-6 February 2002

About YOU !



GOAL OF THE WORKSHOP

Talks must be considered as an introductionfor**DISCUSSIONS**,**EXCHANGE** ofinformation,**EXCHANGE** of experience.Time will be given after each talk + buffer time + discussiontime.

Active participation is desirable. Tell your suggestions as soon as possible to organizers !

For Technical issues:

Laurent HARDY (organizer) Philippe DURU Jean-Marc KOCH Jean-Luc REVOL Pierre Van VAERENBERGH For Organisation issues:

Anne-Marie VOLPE (organizer) Karen CLUGNET

Anne DELY

Debby GOODHEW

REMINDER: MAIN AXES OF THIS WORKSHOP

Specificities and reliability issues for different kind of accelerators

X-Ray sources, Medical accelerators, Accelerators for neutron production ADS based on linear accelerator and circular accelerator, Accelerators for nuclear physics, many others!

Ways to overcome weak points using preventive actions - Budget considerations

Choice of the technology Redundancy of running equipment or/and sensors Over designed engineering Non destructive preventing tools

Failure analysis and process

Fast data logger, History database, Troubleshooting software, Electronic logbooks, Failures processing and predictions

Ways to shorten downtime

Small spare parts policy, Big equipment spare part (klystron, super spare Power Supply, etc), Standby / callable policies, Operators training, Co-ordination between different control rooms

Damages due to radiations

Ageing of components due to radiations, demagnetization of irradiated magnets,

What can we learn from others ?

Invited talk from Alain Heurtel this evening:

ID 32

"Product Assurance and management of risks in ESA spatial projects : Reliability, calculations, functional risks analysis, critical items and FMECA"

But ... Tuesday evening invited speaker (nuclear power plant reliability) cancelled...

-WEAR YOUR BADGES

necessary to: - enter on ESRF site (Vigipirate plan)
have lunch at noon
(TAKE ALSO LUNCH TICKET WITH YOU AT NOON !)
<u>PAYMENTS</u> by credit card: this MORNING at COFFEE
BREAK to the RECEPTION DESK

- CONTRIBUTIONS

DO NOT FORGET TO GIVE YOUR ELECTRONIC CONTRIBUTION TO ORGANIZERS or CO-CHAIRMEN, if not already done.

ANY QUESTION ?