

PRESENT STATUS OF THE ACCELERATOR PROJECT IN VINČA

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A review is given of the conceptual basis of an accelerator installation in Boris Kidrič Institute in Vinča.

The profile of a machine that would best fulfil the needs of a broad region in a medium developed country is discussed.

A functional profile of an accelerator installation that would be a basic instrument in contemporary research in physics, and would also enable development of pure and applied research in other fields, has been analysed.

A brief analysis is given of modern installations of the considered profile which are based on machines of the cyclotron type.

A review is given of the conception that is at present considered as the optimal installation for the needs of Boris Kidrič Institute in Vinča.

Some problems of manpower and of technological and material nature that are foreseen in the realization of the determined goals are noted.