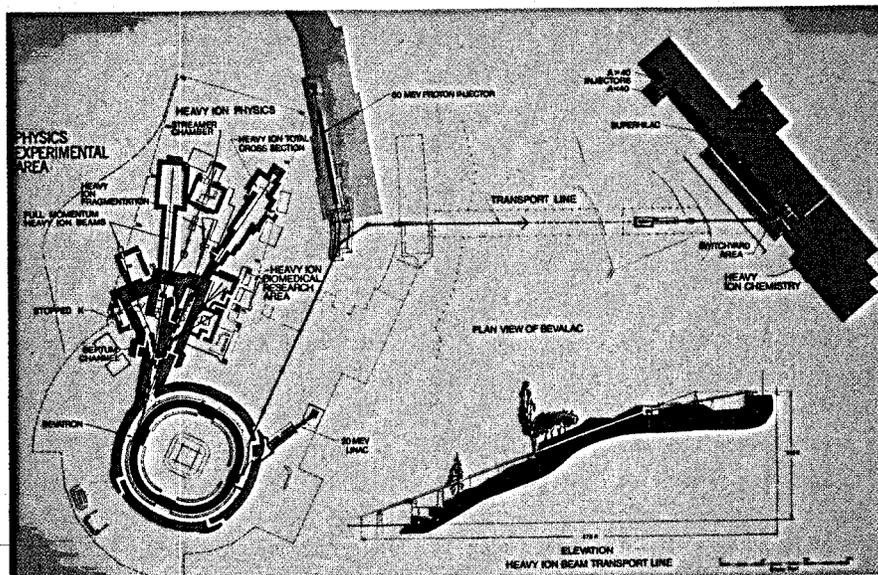
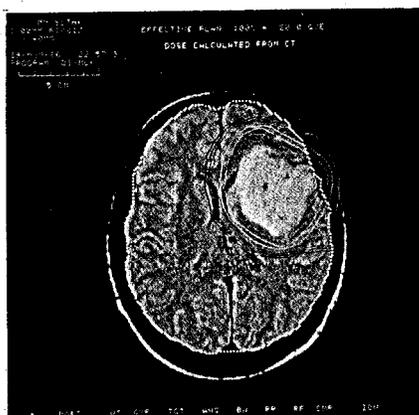


Bevatron Joins the Hilac to Bevalac



At the suggestion of Al Ghiorso the HILAC was joined to the Bevatron for accelerating heavy ions in the mid-1970s.



Brain tumor revealed using NMR is treated by Dr. Joseph Castro's stopping neon beams. The contours reflect the dose distribution.

Medical trials show the improvement in local control in neon ion treatment over conventional photon treatment. (Data from LBL and UCSF)

Tumor Site	Neon ions	Photons
Glioblastoma	17 mo.*	9-12 mo.*
Brain	13 pts	
Nasopharynx	63%	21%
Paranasal sinus	21 pts	
Salivary gland	80%	28%
	10 pts	
Lung	39%	22-40%
	18 pts	
Prostate	100%	≈60-70%
	9 pts	
Sarcoma	45%	28%
	24 pts	

*median survival