PTMC Video Conference 8 March 2024



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101008548

PTMC Video Conference 8 March 2024

16:00 → 18:00 Video Conference: Particle Therapy MasterClass 8 March 2024	Convener:	Inference: 8 March 2024 : Yiota Foka (GSI - Helmholtzzentrum fur Schwerionenforschung GmbH (DE)) tics of PTMC	
 Friday 8 Mar 2024, 16:00 → 18:00 Europe/Zurich online https://cern.zoom.us/j/62279869811?pwd=bnc3NGdkTy8yOHZSTTJuMmNPbHpxdz09 Yiota Foka (GSI - Helmholtzzentrum fur Schwerionenforschung GmbH (DE)) 	16:00	Welcome Speaker: Yiota Foka (GSI - Helmholtzzentrum fur Schwerionenforschung GmbH (DE))	() 5m
Description MODERATORS: Yiota Foka (GSI), Simone Savazzi (CNAO) ASSISTANTS: Nermine Muradi (University of Tetova)	16:05	HITRIplus EU-funded project in support of Particle Therapy Speaker: Maria Monica Necchi (Fondazione CNAO (IT)) P Hadron Academy - s Hadron Academy - s Hadron Academy - s	③ 10m
GENERAL QUESTIONS for BEFORE the MC GENERAL QUESTIONS for AFTER the MC	16:15	Presentation from Kaunas University of Technology, LITHUANIA Speakers: Ausra Kyniene, Dr Brigita Abakeviciene, Elona Juozaityte	() 5m
	16:20 16:25	Presentation by GSI, GERMANY Speaker: Christian Graeff (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI)) Presentation from Lithuanian University of Health Sciences, LITHUANIA	𝔇 5m 𝔇 5m
Image: Solution of the second seco	16:30	Speaker: Erika Korobeinikova Presentation from Vilnius University, LITHUANIA Speaker: Dr Aušra Kynienė (Vilnius university Physics faculty, Experimental nuclear and particle physics center)	() 5m
https://indico.cern.ch/event/1345194/	16:35	Presentation from National Cancer Institute, LITHUANIA Speaker: Jonas Venius	③ 5m
Moderators: Yiota Foka (GSI), Simone Savazz (CNAO)	16:40	Quiz	() 8m

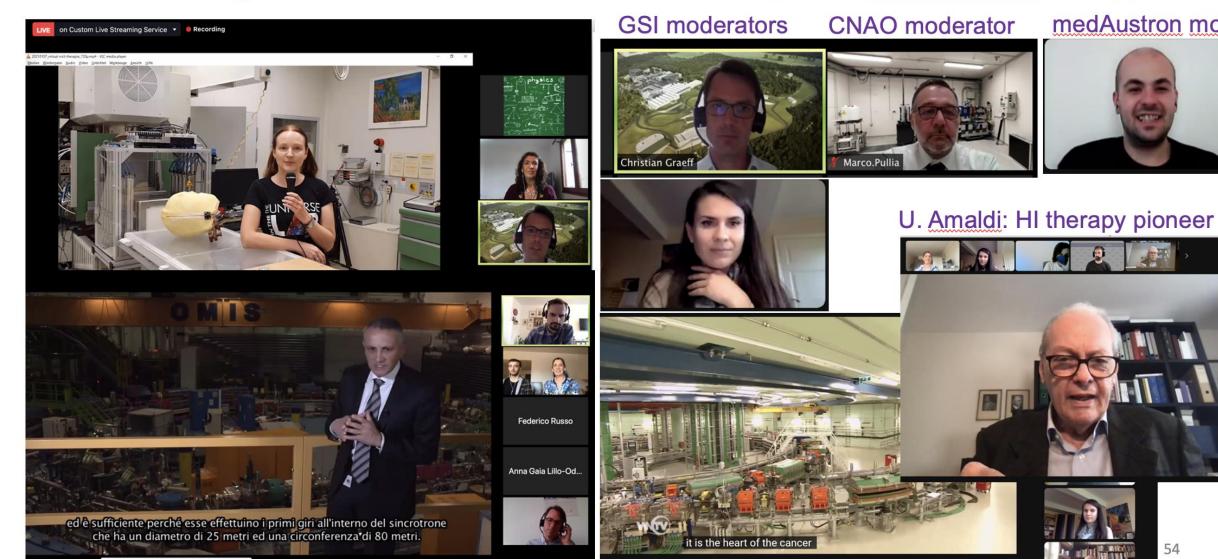
🔑 quiz-PTMC-2020-DS... 😥 quiz-PTMC-2020-DS...





Virtual visits and video-conferences

Virtual visits during video-conference: GSI research institute, CNAO, MedAustron therapy centers

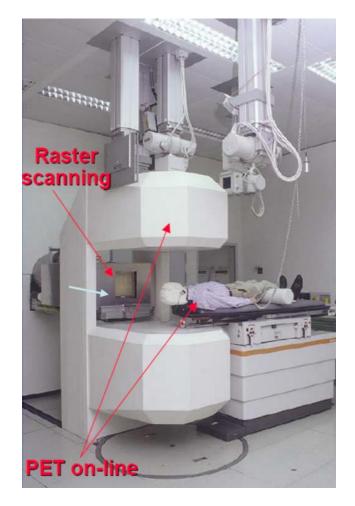


54

medAustron moder.

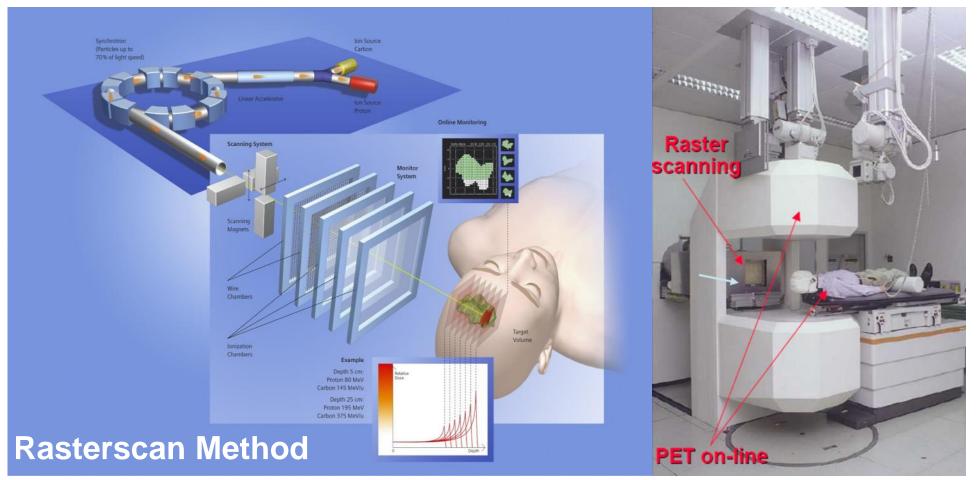
Heavy-ion research and heavy-ion therapy at GSI





Pioneered heavy-ion (carbon) therapy for cancer tumours in Europe (90s).

Heavy-ion research and heavy-ion therapy at GSI

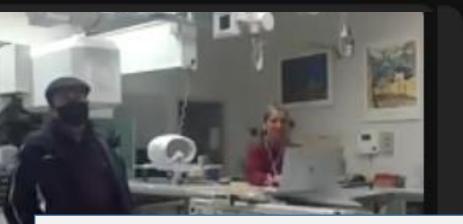


Haberer et al., NIM A , 1993

Implemented in the Heidelberg and Marburg Ion Treatment centers (HIT and MIT) in Germany

From the historic GSI therapy room Cave M





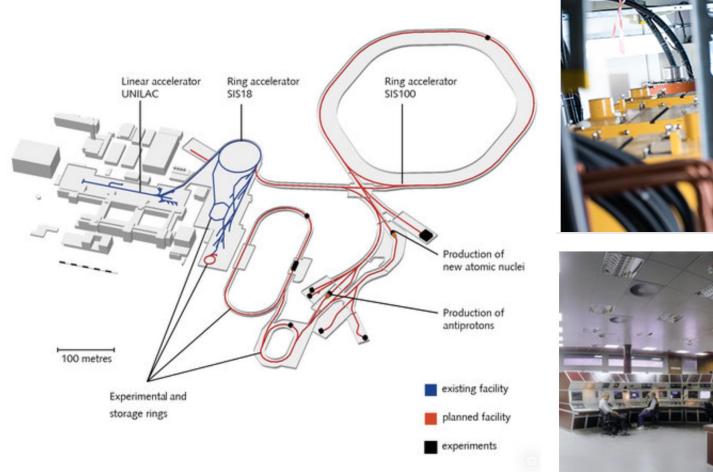


https://www.dropbox.com/scl/fo/y32povwa5jdj7gwrdmmu2/h ?dl=0&preview=05-20210609_virtualvisit_therapie_en.mp4&rlkey=cqplic473dlrjy1dyi95mfoje

What is behind the wall?



What is behind the wall?









Four carbon-ion cancer therapy centers in Europe

MedAustron, Austria







HIT, Germany

MIT, Germany

Virtual Hadron Therapy Center





Particle Therapy Masterclass

Animations	https://indico.cern.ch/event/840212/page/18000-animations 🖌
------------	---

Research Institutes

rs s ú F <mark>ái</mark> r	GSI/FAIR general science video, Courtesy of GSI
CERN	CERN Video, Courtesy of CERN

Therapy Centres

ENLIGHT	ENLIGHT Animations, Courtesy of ENLIGHT
	CNAO Video, Courtesy of CNAO
HIT	HIT Video, Courtesy of HIT
MedAustron	MedAustron Video, Courtesy of MedAustron MedAustron Behind the Scenes, Courtesy of MedAustron



Many thanks to the PTMC core team, all moderators and local organisers, the HITRIplus project for contributions and support

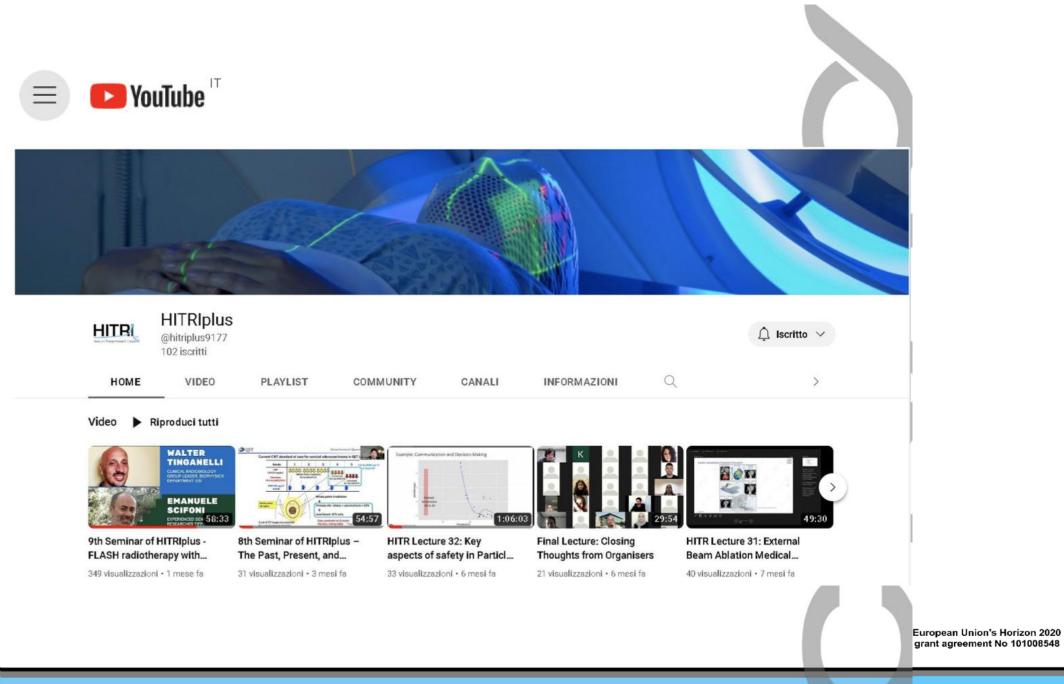






The HITRIplus project Heavy Ion Therapy Research Integration plus



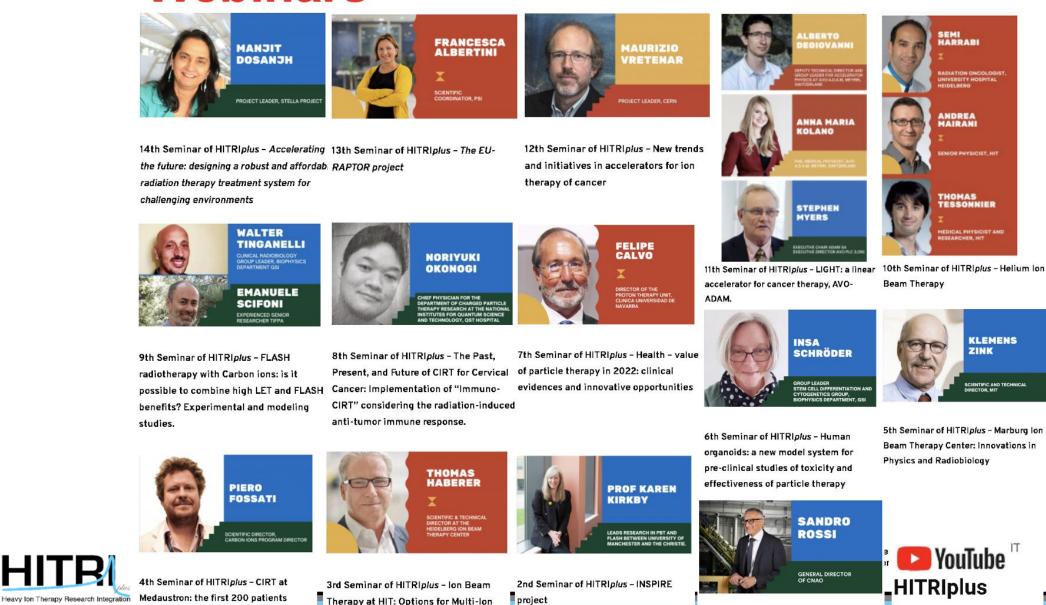


10/03/2023

HITR

Heavy Ion Therapy Research Integration

Webinars



Therapy at HIT: Options for Multi-Ion

Treatment and Research

ppean Union's Horizon 2020 nt agreement No 101008548

@hitriplus9177 · 287 iscritti · 131 video

Opening Seminar of HITRIplus - The status

and perspectives of CNAO