



# **Domestic High-Energy Proton Single Event Effects (SEE) Test Facility Status – May 2019**

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# Guide for Status

## Key code

**Yes**

**Selling time regularly**

**Limited**

**Some time available**

**Future interest**

**Have expressed interest - reasonable probability of access within the next year or sooner**

**Not at this time**

**Had expressed some interest, but currently not selling access**

**Unknown**

**No response recently**



# Positives

Selling time	Organization	Location	POC(s)	Email(s)	Notes
Yes	James M. Slater MD Proton Treatment & Research Center	Loma Linda, CA	Andrew Wroe	awroe@llu.edu	BUSY! Booked well in advance at this time.
Yes	Northwestern Medicine Chicago Proton Center	Warrenville, IL	Steven Laub	steven.laub@nm.org	Fairly busy, but some weekend time still available throughout the year.
Yes	The MGH Francis H. Burr Proton Beam Therapy Center	Boston, MA	Ethan Cascio	ecascio@partners.org	BUSY! Booked through 2019. 3 out of 4 weekends a month access.
Yes	Tri-University Meson Facility (TRIUMF) Proton Irradiation Facility	Vancouver, CAN	Ewart Blackmore, Mike Trinczek	ewb@triumf.ca, trinczek@triumf.ca	Several cycles of access a year with two beam lines
Yes	Provision CARES Proton Therapy Center	Knoxville, TN	Khai Lai	khai.lai@provisionproton.com	Customers started. Have taken multiple customers (government, industry). Up to 1000/hrs a year planned. Currently have open bandwidth for access.
Yes	Proton Therapy at University of Cincinnati Medical Center	Liberty Township, OH	Abram Gordon, Anthony Mascia	Abram.Gordon@cchmc.org, Anthony.Mascia@cchmc.org	Dedicated research room with plans for access during days (interleave w 5-10 minutes/hour for user) and in evenings. Also weekends. A few folks have gone here, but biological experiments have had a higher load than expected. TBD on how many yearly hours, but time is currently available.



# Hopeful

Selling time	Organization	Location	POC(s)	Email(s)	Notes
Limited	Hampton University Proton Therapy Institute (HUPTI)	Hampton, VA	Vahagn Nazaryan	vahagn.nazaryan@hamptonu.edu	Research room area still in plans, but indefinite (hopeful for this year). Limited access until this occurs.
Limited	Mayo Clinic Proton Beam facility - Rochester	Rochester, MN	Nicholas Remmes	Remmes.Nicholas@mayo.edu	15-30 hours a month over 2 weekends. Not looking for additional customers.
Limited	MD Anderson Proton Therapy Center	Houston, TX	TBD		Limited access (NASA/JSC) with possible future access to others.
Limited	Mayo Clinic Proton Beam Facility - Phoenix	Phoenix, AZ	Daniel Robertson	Robertson.Daniel@mayo.edu	A few customers have gone here and they are willing to discuss access.
Future interest	Ohio State University	Columbus, OH			Early planning stages and considering research room. Julie Sussi and Nilendu Gupta are POCs, but can work via James DeFilippi. Set up September meeting?



# Not Right Now or ?

Selling time	Organization	Location	POC(s)	Email(s)	Notes
Not at this time	Maryland Proton Therapy Center	Baltimore, MD	Katja Langen	klangen@umm.edu	Dynamic situation with change in management. Katja is now at Emory. Unlikely near term.
Not at this time	Miami Cancer Institute Proton Therapy Center	Miami, FL	Alonso Gutierrez	AlonsoG@baptisthealth.net	Now operational. Need to follow-up.
Not at this time	ProCure Proton Therapy Center in Oklahoma City	Oklahoma City, OK	Andrew Kniseley	andrew@PriorityHealthMgmt.com	
Not at this time	Seattle Cancer Care Alliance (SCCA) Proton Therapy Center	Seattle, WA	Unknown		
Not at this time	University of Florida Health Proton Therapy Institute	Jacksonville, FL	Stuart Klein	sklein@floridaproton.org	Expect commissioning of 2nd source to be complete ~Dec 2018/Jan 2019. Will possibly have time available for access then.
Not at this time	Texas Center for Proton Therapy	Irving, TX			
Not at this time	Roberts Proton Therapy Center	Philadelphia, PA	Lei Dong	Lei.Dong@uphs.upenn.edu	Lei still very interested, but way too busy to discuss in near term.
Unknown	California Protons Cancer Therapy Center	San Diego, CA	Andrew Chang	andrewlchangmd@gmail.com	Need to follow-up. Meet during SEE Symposium?
Unknown	Emory Proton Therapy Center	Atlanta, GA			Had some discussions last year. Nearly operational. Katja (former UMD) is now head physicist. James DeFilippi formerly supported.
Unknown	Georgetown Lombardi Comprehensive Cancer Center	Washington, DC			Looking to visit in near term.
Unknown	Inova Schar Cancer Institute	Fairfax, Va			James DeFilippi is supporting them - might be a good time to talk.



# Other

- **The use of proton (and also Carbon ion) therapy for medical oncology treatments is a very dynamic situation.**
- **Availability and access to these facilities is changing as the medical community matures its usage.**
- **A good website for further general site status is:**  
**<https://www.ptcog.ch/index.php/facilities-in-operation>**
- **There is still discussion on the possibility of dedicated research sites either within the U.S. government as well as private industry.**