2nd DM Radio Collaboration Meeting

August 13-14, 2020

Location: everywhere

https://indico.slac.stanford.edu/event/431/

Thursday 7:50AM - 1:30PM (PST)

* Collaboration Happy Hour 4pm (PST) Thursday!

Friday 8:00AM - 1:30PM (PST)

Introduction: 364 years of DM Radio

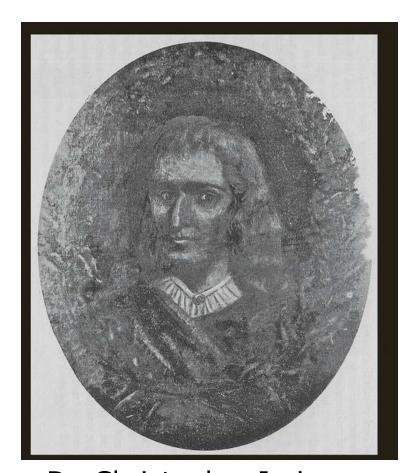
Welcome to new collaborators



A message from the 1600s to the DM Radio Collaboration



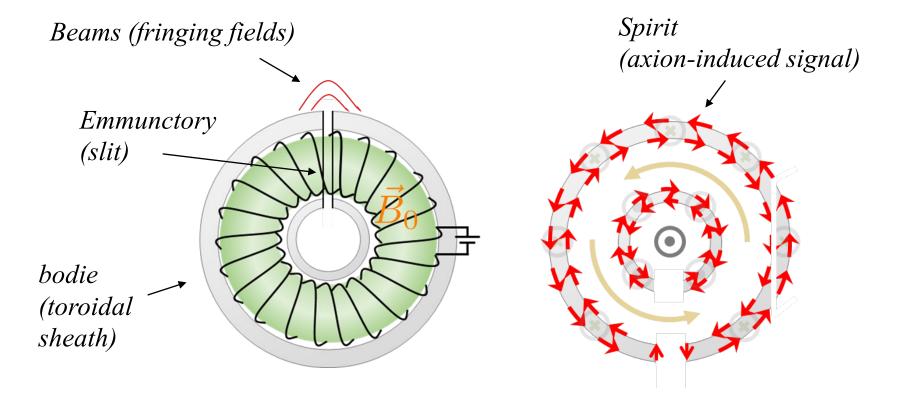
Bonshaw Tower
Dumfriesshire, Scotland
Home of the Bonshaw Irwins
since ~1500



Dr. Christopher Irvine of Bonshaw, Scotland *Medicina Magnetica* Printed in the Year 1656

Medicina Magnetica: OR. The rare and wonderful Art Of Curing by SYMPATHY: Laid open in APHORISMES; Proved in CONCLUSIONS; And digested into an easy Method drawn from both: Wherein the Connexion of the Causes and Effects of these strange Operations, are more fully discovered than heretofore. All cleared and confirmed, by pithy Reasons, true Experiments, and pleafant Relations. Preserved and Published, As a MASTER-PIECE in this SKILL. C.de Irangio, Chirurgo-Medcine in the Army. Nullum numen abest. Printed in the Year, 1656.

Medicina Magnetica by Dr. Christopher Irvine of Bonshaw, Scotland Printed in the Year 1656 "IF thou hast never so good a Magnet, and knowest not the use of it, thou bestowest thy labour in vain. We shall therefore add the use of it, that nothing may be wanting in this Art; And about it, being most needful, and asking little labour, there needs but few words: yet one thing is to be noted in the way; namely, That although the aforesaid beams do alwayes flow from the bodie, yet there are some parts out of which they flow more copiously: in one word, they are the Emmunctories by which the body is as it were cleansed, and the spirit doth accompany the superfluities; because these parts are more porous and spungie, it wandreth out more freely, finding a larger egresse." – C. Irvine, Book III, part XII, Medicina Magnetica



07:50 → 08:00	Welcome and Introduction to New DJs ■			O 10m
08:00 → 10:45	DMRadio-50L Progress Updates			
	Design and Modeling Work for the 50L axion detector			
	Convener: Prof. Betty Young (Santa Clara University)			
	08:00	DMRadio-50L Overview Speaker: Dr Jonathan Ouellet (MIT)		○ 20m
	08:20	50L Magnet Speaker: Dr Alex (Sebastian) Leder (UC Berkeley)		③ 20m
	08:40	Sheath and Pick-up Coupling Speaker: Chiara Salemi (MIT)		③ 20m
	09:00	Sheath Modes and Loss Speaker: Alex Droster (UC Berkeley)		© 20m
	09:20	Coffee Bro	eak	O 15m
	09:35	Thermal Modeling and Cryogenics Speaker: Dr Maria Simanovskala (Stanford)		© 20m
	09:55	Vibrations Speaker: Kallroë Pappas (MIT)		1 0m
	10:05	Resonator Circuit Analysis Speaker: JyotIrmal (Joe) SIngh (Stanford)		③ 10m
	10:15	Estimated Sensitivity Speaker: Dr Saptarshl Chaudhurl (Princeton)		© 20m
	10:35	Discussion and Next Steps Speaker: Dr Dale LI (SLAC)		O 10m
10:45 → 11:00	Snowmass2021 Letters of Interest: Snowmass Process, Opt-in to LOIs Convener: Prof. Lindley Winslow (MIT)			
11:00 → 12:00		Lunch Break		O 1h