



## Marc C. Ross

Temporary Employee - TMS, SLAC National Accelerator Laboratory

### Bio

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#### CURRENT ROLE AT STANFORD

Technical Director, LCLS-II-HE Project

#### PROJECTS

- LCLS-II-HE

### Publications

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#### PUBLICATIONS

- **Field emission mitigation studies in the SLAC Linac Coherent Light Source II superconducting rf cavities via in situ plasma processing** *PHYSICAL REVIEW ACCELERATORS AND BEAMS*  
Giaccone, B., Martinello, M., Berrutti, P., Melnychuk, O., Sergatskov, D. A., Grassellino, A., Gonnella, D., Ross, M., Doleans, M., Zasadzinski, J. F.  
2021; 24 (2)
- **A metrology system for a high resolution cavity beam position monitor system** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*  
Walston, S., Boogert, S., Chung, C., Htsos, P., Frisch, J., Gronberg, J., Hayano, H., Hinton, S., Honda, Y., Khainovski, O., Kolomensky, Y., Loscutoff, P., Lyapin, et al  
2013; 728: 53-58
- **High precision SC cavity alignment measurements with higher order modes** *MEASUREMENT SCIENCE & TECHNOLOGY*  
Molloy, S., Frisch, J., McCormick, D., May, J., Ross, M., Smith, T., Eddy, N., Nagaitsev, S., Rechenmacher, R., Piccoli, L., Baboi, N., Hensler, O., Petrosyan, et al  
2007; 18 (8): 2314-2319
- **Performance of a high resolution cavity beam position monitor system** *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT*  
Walston, S., Boogert, S., Chung, C., Fitsos, P., Frisch, J., Gronberg, J., Hayano, H., Honda, Y., Kolomensky, Y., Lyapin, A., Malton, S., May, J., McCormick, et al  
2007; 578 (1): 1-22
- **High precision superconducting cavity diagnostics with higher order mode measurements** *PHYSICAL REVIEW SPECIAL TOPICS-ACCELERATORS AND BEAMS*  
Molloy, S., Frisch, J., McCormick, D., May, J., Ross, M., Smith, T., Baboi, N., Hensler, O., Petrosyan, L., Napoly, O., Paparella, R. C., Simon, C., Eddy, et al  
2006; 9 (11)
- **Electronics and algorithms for HOM based beam diagnostics** *12th Beam Instrumentation Workshop*  
Frisch, J., Baboi, N., Eddy, N., Nagaitsev, S., Hensler, O., McCormick, D., May, J., Molloy, S., Napoly, O., Paparella, R., Petrosyan, L., Ross, M., Simon, et al  
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