C.N. Yang and Themes in Contemporary Physics

C. N. Yang Memorial Symposium

October 13, 2026

Start Time	End Time	Duration (min)	Session Block	Type	Presenter	Affiliation	Title	Room	Notes	Block Start Override
9:30 AM	**9:35 AM**	**5**	**Opening/Welcome**	**Session Block**	**Chang Kee Jung, Chair**		**Opening / Welcome**	**SCGP Rm 103**	**Session header row**	**9:30 AM**
9:35 AM	10:05 AM	30	Frank at Stony Brook	Presentation 1	George Sterman	Stony Brook/YITP	Welcome, and Frank Yang's strong force	SCGP Rm 103		
10:05 AM	10:35 AM	30	Frank at Stony Brook	Remote Presentation 2	Yoichi Kazama	U. Tokyo	Frank Yang, an extraordinary teacher and collaborator	SCGP Rm 103		
10:35 AM	11:05 AM	30	Frank at Stony Brook	Presentation 3	Yuefan Deng	Stony Brook/Applied Math	Symmetry and computing: Carbon-60, Waring's problem and C.N. Yang	SCGP Rm 103		
11:05 AM	**11:30 AM**	**25**	**Coffee Break**	**Coffee Break**				SCGP Lobby	**starts at override time**	**11:05 AM**
11:30 AM	12:05 PM	35	Gauge theories today	Presentation 4	Michael Douglas	Harvard	The Yang-Mills Millennium Prize Problem	SCGP Rm 103		
12:05 PM	12:40 PM	35	Gauge theories today	Presentation 5	Juan Maldacena	IAS	Yang-Mills theory, strings and gravity	SCGP Rm 103		
12:40 PM	**2:00 PM**	**80**	**Lunch**	**Lunch**					**starts at override time**	**12:40 PM**
2:00 PM	**2:00 PM**	**0**		**Session Block**	**Luis Alvarez-Gaume, Chair**			**SCGP Rm 103**	**Session header row**	**2:00 PM**
2:00 PM	2:35 PM	35	Solvable models, mathematics	Presentation 6	Alexander Zamolodchikov	Stony Brook/YITP	Yang-Baxter equations, Yang-Lee singularity, and Ising field theory in an external field.	SCGP Rm 103		
2:35 PM	3:10 PM	35	Solvable models, mathematics	Presentation 7	Pedro Viera	Perimeter & ICTP-SAIFR	Connections in SYM, connections in String Theory, connections between the two, connections to C.N.Yang	SCGP Rm 103		
3:10 PM	3:45 PM	35	Solvable models, mathematics	Presentation 8	Claude LeBrun	Stony Brook/Math	Yang-Mills theory's impact on geometry and topology	SCGP Rm 103		
3:45 PM	**4:15 PM**	**30**	**Coffee Break**	**Coffee Break**				SCGP Lobby	**starts at override time**	**3:45 PM**
4:15 PM	4:50 PM	35	Nonperturbative Yang-Mills	Presentation 9	Normal Christ	Columbia	From symmetry to substance: using discrete Yang-Mills symmetry to study matter-anti-matter asymmetry	SCGP Rm 103		
4:50 PM	5:25 PM	35	Nonperturbative Yang-Mills	Presentation 10	Zoltan Fodor	Penn State	Muon magnetic moment: new physics or the most precise justification of quantum field theory?	SCGP Rm 103		
5:30 PM	**6:30 PM**	**60**	**Reception**	**Reception**			**Morning Session**	**SCGP Lobby**	**starts at override time**	**5:30 PM**

October 14, 2026

Start Time	End Time	Duration (min)	Session Block	Type	Presenter	Affiliation	Title	Room	Notes	Block Start Override
9:30 AM	**9:30 AM**	**0**		**Session Block**	**George Sterman, Chair**		**Opening / Welcome**	**SCGP Rm 102**	**Session header row**	**9:30 AM**
9:30 AM	10:05 AM	35	Many-particle systems	Presentation 11	Klaasjan van Druten	Amsterdam	Yang-Yang thermodynamics: past present and future	SCGP Rm 102		
10:05 AM	10:40 AM	35	Many-particle systems	Presentation 12	Li Hua Yu	BNL	From quantum decoherence to free electron lasers, Advice and collaboration with C.N. Yang	SCGP Rm 102		
10:40 AM	**11:10 AM**	**30**	**Coffee Break**	**Coffee Break**				SCGP Lobby	**starts at override time**	**10:40 AM**
11:10 AM	11:45 AM	35	Systems and symmetries	Presentation 13	Natan Andrei	Rutgers	C.N. Yang and integrability: Review and recent results	SCGP Rm 103		
11:45 AM	12:20 PM	35	Systems and symmetries	Presentation 14	Ashvin Vishwanath	Harvard	Superconductivity from anyons and quantum crystals in twisted MoTe2 and rhombohedral graphene	SCGP Rm 103		
12:20 PM	12:55 PM	35	Systems and symmetries	Presentation 15	Shu-Heng Shao	MIT	Laws of physics in a mirror	SCGP Rm 103		
12:55 PM	**2:15 PM**	**80**	**Lunch**	**Lunch**					**starts at override time**	**12:55 PM**
2:15 PM	2:50 PM	35	Closing session: the forces today	Presentation 16	Chris Quigg	Fermilab	What will happen next? A little tour of particle physics.	SCGP Rm 103		
2:50 PM	3:25 PM	35	Closing session: the forces today	Presentation 17	Cumrun Vafa	Harvard	Yang-Mills theory and quantum gravity	SCGP Rm 103		
3:25 PM	4:00 PM	35	Closing session: the forces today	Presentation 18	Peter van Nieuwenhuizen	Stony Brook/YITP	Yang-Mills in (Super)Gravity and Frank Yang in Y(ITP)	SCGP Rm 103		